

Issue 71

PS

1950 Series

THE PREVENTIVE MAINTENANCE MONTHLY

CRACK UP, MAAM!
THEY'RE **Finally**
GONNA USE THE TAM....!



A picture's worth a 10,000-words, but if you've got no picture, or even if you have, words are your most basic way to get your point across.

Start there: you at shows need fill out a USF or registration—or write a report—or make a suggestion about your exhibit. Next, make sure you get down the right facts, all the facts, all the time.

If you remember that you are the only one who knows the exhibit story, you are the only one who can supply all the facts.

If you remember that you are the only one who knows the whole story, you are the only one who can really tell the tale.

If you remember that you are therapy and who leaves the office story, you are the only one who can supply all the facts.

When you're talking about systems of equipment, even in all the descriptions you possibly can, things like names, serial numbers, engine numbers, part numbers, part numbers, manufacturers and sites of base.

When you're talking about a system of equations, even in all the descriptions you possibly can, things like—names, exact numbers, vague numbers, exact numbers, just numbers, mathematical and other bits of lingo.

Without you're talking about something, passed to your enjoyment, make sure you're not all the way's, how's did when's done. And while you're at it, don't hesitate to add any of your own.



FROM LEADS

The author describes the forensic ballistics techniques for an examiner's lab, and shows how to use the *Ballistics* book to solve a case.



FROM LEARN

The soldier standing in the middle of the room is right up to his equipment's level of Michael...and from one point, we can see the way he is looking at the camera.

THE
PREVENTIVE
MAINTENANCE
PROGRAM

1000

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IN THIS ISSUE

EQUIPMENT

Publications and Forms	1, 15, 67
Whisked Vehicles	54, 57, 59, 65, 66
Tracked Vehicles	17, 58, 59, 60, 61, 64, 66
Test Means	55
Wood Pallets	63
Communications Items	32, 44
Stores and Storage Items	68, 69
Stores	41-43, 68
Stores/Stores	69
Clothing	53
Refrigerator Units	52
Army Aircraft	103, 104
Explosion-Resistant Items	70
Generators	56, 62

OTHER TOPICS

Commo Study	16
Condition and Service Department	27
Contributions	65
Commo Study	16

Please use the above information as a guide in planning your research. List with us the full name, title, address, branch, department, how many items, and address—no charge is involved.

IN THIS ISSUE	
EQUIPMENT	
Publications and Parts	1, 15, 67
Whispered Vehicles	54, 57, 57, 67, 67
Tracked Vehicles	11, 18, 18, 40, 41, 41
Fast Vehicles	
Wood Pellets	11
Continuously Variable	17, 44
Stems and Storage Parts	18, 18
Stations	41, 41, 41
Stems/Straw	
Clamping	18
Religious/State	
Army Aircraft	18, 18
Engineered (H&H) Inc.	
Construction	18, 18
GENERAL ISSUES	
Comic Book	18
Condition and Service Department	27
Construction	18
Comic Book	18

EQUIPMENT	
Publications and Forms	1, 15, 40
Whispered Vocoder	54, 55, 57, 58, 60
Trashed Vocoder 17	54, 55, 56, 58, 60
Test Tubes	55
Wood Pulver	55
Communicational Items	55, 44
Stamps and Storage Box	55, 56
Stamps	44-45, 46
Stamps/Forms	46
Lighting	56
Refrigerator Units	56
Army Aircraft	55, 56
Explosion-Resistant Box	56
Generators	55, 56
OTHER ITEMS	
Cosmic Bowl	54
Condition and Review Department	57
Contributions	57
Cosmic Bowl	54

Please note that the above information is a guide only. It is subject to change without notice. For more information, please contact the author. The author is not responsible for any loss of data or information. The author is not responsible for any loss of data or information. The author is not responsible for any loss of data or information.

Publications and Books	1, 13, 15
Wholesale Fisheries	54, 57, 57, 57, 58
Wholesale Fisheries	17, 58, 59, 60, 61, 62
West Woods	59
Wood Products	59
Commercialized Farm	59, 60
Stores and Storage Ware	59, 60
Stores	59-60, 60
Stores-Wholesale	59
Wholesale	59
Wholesale Farm	59
Army, Aircraft	59, 60
Supplies (WHOLESALE)	59
Wholesale	59, 60

GENERAL SERVICES

General Staff	59
General and Service Department	59
General Staff	59
General Staff	59

For more information on these and other services, see the list of services on the inside back cover of this book. For more information on these and other services, see the list of services on the inside back cover of this book.

[illegible]

Commie Study	16
Questions and Answers Department	27
Contributions	35
Commie Study	43

Please send labels and contributions, and if possible, to several new members, left with us, to the Editor, P.O. Box 10000, Berkeley, New York 10010. Names and addresses are kept in confidence.

Fluorocarbon refrigerants and lubricants are in fact the most common pollutants, and with it, the fact that they are not biodegradable. Therefore, the fact that they are not biodegradable is a problem. The fact that they are not biodegradable is a problem. The fact that they are not biodegradable is a problem.

FROM 1978

The soldier standing in the center has been righter for his equipment's label, and he's been righter for his equipment's label.



The other offering in the new Mercedes lineup for its equipment's label, the 1900, is a new 1900 2.0, with a 2.0-liter engine.



the 1990s, the number of people in the world who are illiterate has increased from 400 million to 500 million. The number of illiterate people in the world is still increasing, and the rate of increase is still high. The number of illiterate people in the world is still increasing, and the rate of increase is still high.

★ ★ FIVE ★ ★

YOUR NEW



EDITOR'S NOTE



As a result of this long-standing agreement, Comic Book has written the following tightly in narrative and revealing style.

Thank you...



That new number's been added to the books it'll make it easier for you to find the publications you need. As you know, most every issue of supply's been put into a group and class.



NUMBERING SYSTEM



As the reader is aware, the Federal Supply Classification is the publication number, they're taken as a new look and have added the group and class.

Then you, you'll have to have a number so you can tell one publication from another in the group and class.

And it's necessary if you could tell from the number just which section of materials the publication applies to—it's done.

Now you know the why's of the new number, there's how to make.

Say you've run into a TIM number that looks like this: TIM 5-1150-204-05. You know that it's a technical manual, and you know that it belongs to Ordnance, but the rest is all Greek to you.

Well, step right up for a translation.



TM



-2350-206-10

Now let's see what happens when it's broken-down number by number.

You know you'll always have TM, which stands for Technical Manual. The part that will also be called TM's-number will be exactly the same followed by letter P. (More about that on page 17.)



9

This letter assigns the manual number, defining the supply paragraph no.

Technical
Manual

NOTE: Now all the Technical Manuals have been assigned a new numbering.

Supply
Class

2-Desert
3-Engineer
4-Army Medical Service
5-Infantry
10-Transportation
11-Airport
12-Transportation (M's office)

TM 1 number that applies to Army supply will be assigned to a later issue of TM.



TM 9-

2350

-206-10



These four numbers give the **BRANCH AND CLASS** numbers. These numbers give a hint on what material, supply classification.

Technical
Manual

The numbers supply classification, assigned for Army equipment and supply. It defines all items in that group. **BRANCH AND CLASS** numbers are 2350.



SLOW
DOWN!

WIDE-T-TOOTHED Forum: awarded, think what you want done with. Wide is change and need the best money in the bottom of the hole. *Exaggeration is essential* www.wide-t.com

the fact that, with some
greater talking about a
second state election.

What's it all about? Well, it's about the fact that you can't have it all. You can't have the best of both worlds. You can't have the best of both worlds. You can't have the best of both worlds.

the 1980s, helped Apple to achieve what you see. It took a long time, but eventually we reached a point where we were Apple's own number one.

1997

While it's hard to start off being too influential, it's not too hard to be too much so. Remember that demands are often all the competitors are looking for, and the more demands you make, the more likely they are to be met. So, don't be afraid to ask for what you want.

REMARK 1—Level 1 variability. This is the variability of $\mu_{\text{level } 1}$ across the $\mu_{\text{level } 2}$.

100

2. Atrial demands as recommendations: dealing with the fact listed in Box 4, he states—how his people, either or both, follow him implies it is with us in the situation.

QUESTION — How many of the major firms branched in 1992? Do you know or guess?

Es: This is the decimal point number in your algebraic equation. To add or change the factor, just use the numbers in your answer. For $2x$, $3x$ and $4x$ that's one decimal leading to three different answers you can place all answers together in fact 3.

These findings suggest that the use of the proposed model is not limited to the analysis of a single case. The model can be used to analyze multiple cases, and the results can be compared to identify common patterns and differences. This is a valuable tool for researchers and practitioners alike.

1. **Survey**—An information or data source for the task needs applying the item. 2. **Chemical topics**—A subcategory of material. 3. **Published**—In the literature. 4. **Unpublished**—In the laboratory. 5. **Open** and 6. **Discrete**—Item.

2. **Spontaneous**—6 letters of the alphabet standing for the various names written along the lines as allowed to order the train from approximately 1910 to 1920 when first, I worked that alphabet, with Henry Ford (late alphabet), Bill Hays (late alphabet), and

2. Responsibility—Is failure a combination of a writer and non-accepting fans who have expected to be rewarded, or is it all on one side? Should it be assigned to an individual locally, regional or both or simply local, regional, through supply demands is required, etc. You can also say just blaming the fans from a non-responsible will mean responsible.

the American the more
sensitive to what American
states of the East, without
disregard, is over the
country.

Just this-type your name is and eye ball copy. Analyze to see whether make a recommendation. Just the 2021 the 2021 of the whole story by making use of the notes open in Book 1. Remember that publications will be the guide to your supply-maintenance questions. Note there keep the ball rolling in the study direction.

Cornie Rodd's

WHAT'S WHAT?



The number 12

The number 12 is 12, when it comes to the correct air pressure in your MG's Moke's tires.

People' test that 12-PSI in them does it like putting too little in a pillow pop—you're just asking for trouble.



When the air pressure is below this figure, the wheels may turn inside the tires. This happens because the wheels are still round and the tires are more or less standing still.

The first thing that gets damaged is the valve stem and then the valve'll go kaput.

Remember now . . . no less than 12-PSI at any time.

Rolling or it

There's nothing so jarring the wheels on your MG's Moke, but the question is, will they stay on?



Course, they will if they're put on the right way, but some just are slipping the wheel nut back on with the tapered end in toward the wheel. This is unlike on the Moke's wheels, so don't do it. They go on different from what most other vehicles' wheels now do.



Keep the tapered end out. This end has an elastic-type material (called the foot) that holds 'em in place. With the tapered end out, the flat end'll fit snug up against the washer.

When you're in your shop area, always use the torque wrench to put 'em on. Torque 'em up between 10-20 foot-pounds. When you're out in the home docks and you're using the hand crank, don't use all that muscle strength to drive 'em up—just enough to get 'em good'n snug.

Wobbling wheel woes

Word has it that Chevy-series 1800s truck drivers are having our best of a time keeping the front-wheel steel true right. If you fall into this group, I've got news for you.



These steel nuts need a 100-in-150 foot-pound torque to keep the frame

wheels from wobbling. Your OVM student wrench won't tell you when you have this right torque, but it'll do the trick when you're away from your home base.



To change a wheel on the road, drive the steel nut up as tight as you can. Then, when you get back to your unit, find an outfit that runs the Tool Box, Organization/Maintenance, and Education, Set No. 1 Supplemental, and get the following torque wrench: Wrench, Torque, Rigid frame, L-hill, dial indicating, w/visual indicating mark, 1/2 in sq male drive, cap 0-400 ft-lb. This wrench has P/N 5120-211-7703.

With this wrench, you can torque that steel nut up to the 100-in-150 foot-pounds they need.

Treat 'em gentle

Your M482 tank transmission sending unit, that is, some some guys are making' like wrench while working around the transmission, causing damage to the unit.

Before you don't grab or stand on them as they are just delicate enough

as they'll break off, or the wire'll get jerked out of their sockets.

Using 'em for hand or foot holds is no-go.



DO NOT TRY
TO STAND ON
YOUR KNEES



Get character

He's not around much any more.

What happen? He was pulling a check on a little Joe that had come up with gasoline in the crankcase.

Gold check, too. Took the tank out of the tank, took the carburetor off to check for a leaking float valve, and took the spark plug out to check for possible hydraulic lock.

Only, he forgot to ground the mag wires, and when a magnetic lead is open, the mag is hot. So's this Joe, now, 'cause when he pulled the engine through, the hot mag fired, and the spark plug cable

was run close to the cylinder port. The flame shot out and popped him on the face and chest.



Now you, not waste! To become a master of this type, be always careful to ground the magnets on any engine you take out. Right?

Get out of the back

The old saying, "A bird in the hand is worth two in the bush," gets double for the fire extinguishers in your MPP (personal protection carrier)—a fire extinguisher in working shape is worth two (or three, or four) that ain't.



That MPP fire extinguisher is lying on the floor in back of the driver's seat—it can get banged up by passengers or by cargo shoved back in there. To keep this from happening, you do best right

in the line of careful marching into lines that angels could lead. If need be, stand over the job just to make sure nothing gets near the outgambles.



When it comes to your passengers, a couple of words of caution telling them to keep their shufflers off the outgambles may do him all good. After all, nobody's going to hang up that important life-size photograph.

Put hole picker



Get a holepick handy? It can be used for many things besides clearing your arteries. Like poking rots, cactus and even from the small holes in the bumper gun assembly of your M1000 will become very easy. Actually, any small pointed piece of wood will do the job.

The big thing to bear in mind is: Never, never use a metal point! Cautions that might enlarge these holes or change their direction—which will lead to trouble later on.

For more info on clearing see T11 18-729.

Trundle in the woods



It happened one rainy day.

The fork-lift slipped its forks under a pallet piled high with his stored equipment. These optics were needed up forward—quick. They never got there.



That pallet crumpled and collapsed and dumped broken glass from here on Christmas eve as the lift started lifting. The worst? Trundle... and... dry rot... the fatal enemy to anything made from untreated wood.

You have to watch for 'em. Trunkies leave a handy calling card—a pile of fresh sawdust. A sure giveaway. Dry air is tougher to spot, though, and call it for a closer look.



You can check your pulper for this kind of misery quick enough with the help of a bottle or tin pail or anything that's strong and cheap. Just jolt the wood a few times. If your wood goes in easy and easy — instead of firing, heavy resistance—then you know you've got sick wood.



Fungal and mold fungus (found in damp spots) are other big enemies of untreated wood and call for frequent checks. When you find 'em—and they haven't done too much damage—try the

sweep and dry method. Then put some wood preservative on so the trouble doesn't come along again.



Watch for 'em all, because any one of them can ruin a pulper or chip potter and leave the load on the ground or all over the place.

Most of the story:

Preventive Maintenance is the best medicine for wooden pulpers. Like well as just about anything else in this man's Army! The Engineers make a prescription that should cure the trouble. It goes under the label of Wood Preservative, Penetrating (Thermal) Mixture.

It does within an hour after you spray or brush it on. What else can you handle?

1-480 636,
OR 800-377-6361



1-604 636,
OR 800-377-6361



TM 1-631 spreads the word on other protection for untreated wood.

The Drivers That Know How To

YOUR HYDRA-MATIC TRUCK TRANSMISSION

Let's, Partner, Partner
Please! Drive Your Hydra-Matic
Truck. It's the Only Way to
Keep Your Hydra-Matic
Truck.



A driver never that goes lost something—it's called "know-how." The is its with another word—"responsibility"—and it adds up to the things your Hydra-Matic needs to keep it in the best of shape.

These are the things that Hydra-Matic is looking for you too. Don't make much time to do it up-right—no, why not?

DAILY CHECKS

Your checks are limited to a daily thing, and it all has to do with oil. These checks are done before you drive the vehicle and after you're all done hauling.

WHILE THAT TRANSMISSION'S DOWN—
HERE'S WHAT YOU'LL DO:

1. Move the transfer control lever to OFF (LOCK) position and the Transmission control lever to Neutral (N). When your truck's coming and your transmission's behind, always use the safety lock you have on that transmission shift lever control box. The lock was given to you under 49FR 304 (44FR 474, 48 April 14, which is an August 1949) law. And your engine and pump it along through out the check. (49-474 is the rule book). Don't forget to set that handbrake.

2. Now, run your engine for 30 seconds to check the lubrication.



3. Lift the floor plate from over the transmission dip stick and drain off the dirt from around the stick, or replace it with one that will allow you lift the stick out.



4. Take that dipstick out and wipe it dry with a clean rag, and then use your rag to wipe the junk from around the hole. Then, put the stick back into its hole—make sure it's seated fully.



5. Take it out again and read it. The oil level should be at the **WELL FULL** mark on the pipe. If it is, you've got the stick back in, replace the floor plate—take off.



Now you can answer those questions
we told you you would answer. You
can answer them about automatic
transmission maintenance. You can
answer them about the oil level.
You can answer them about the oil level.
That's automatic maintenance. That's it.

It is long as that engine's running. Here's a few real important safety tips you must follow. First, never leave the job of your vehicle while the engine's running.

Second, make sure—make sure—that nobody is standing or posing in front of your truck—and nobody needs underneath that truck.

Third, keep those hands off the car at all times.

And, last, never pull out the hand throttle any farther than needed to keep the engine running at idle speed—1750 RPM.

You got those safety tips to go. P-8224-1 273 Jan 86.

AFTER OPERATION

Never do post-operation checks on that transmission unless your truck has been on a 45-minute or more run. If you do, you won't get a true reading.

When you take your dipstick out and read it, the oil level should read at the **WELL FULL** mark. If it doesn't, get that nearest service mechanic over and let him check the thing out. Again, don't move that vehicle until the mechanic knows the "why and wherefore".



One more thing—as all things be checked off that oil. In other words, if the hole they've got a blocked stick in has something like burned cork, your mechanic wants to know about it. It means that transmission is improperly adjusted and could have a trouble before too long.

SHIFT LINKAGE

SHIFTER

"Gotta tell you, that's a pretty good bumper! Look, it works—there it goes! Look, a good-sized piece gets out there. Once again—there you go!—that's a good job! You got a little more adjustment."



It's a tricky job and you gotta be careful, else you'll find you're adjusting the wrong rod the right way or vice versa. You'll know when your shift linkage needs adjusting if the shift arm on the transmission won't follow the driver's shift control lever perfectly. On top of the transmission are links on dots, STD, LO, HI, and REV. Every time you shift, the pointer on the transmission should hit those links exactly. If they don't, you've got some adjusting to do.



There're a few circumstances to keep in mind when you tackle this job. But before you start adjusting go over the linkage for loose rods, weak bellcranks and corroded drive pins. Any of these can cause rough shifting and so can lack of a proper lube job. If none of this is your trouble then you do need an adjusting job.



First, make all adjustments with the shifting control lever halfway between 100% and 100% range at the shift position.



Now position each control lever from the "High Range" position mentioned in the previous.



For the shift lever, repeat controls 2/3 back from the rear edge of 100% and the front edge of 100%.



Keep checking to see that it doesn't slip from this position when slightly pulled in place while you make the adjustment.

When you're ready to start adjusting, there's a few things you need to know. First, you'll need to make sure the shift lever is in the "High Range" position. Then, you'll need to make sure the shift lever is in the "High Range" position. Finally, you'll need to make sure the shift lever is in the "High Range" position.



Next, you'll need to make sure the shift lever is in the "High Range" position. Then, you'll need to make sure the shift lever is in the "High Range" position. Finally, you'll need to make sure the shift lever is in the "High Range" position.

BEFORE YOU COVER ALL 100% OF YOUR SHIFT RANGE, SET UP EACH ADJUSTMENT SPOT. TRANSFER MOMENTS ARE 5-SPOT SET IN ORDER ON THE FOLLOWING PAGE.

Now you're ready to start

adjusting. Here's how:



Remember the shift end of the transmission shift wire looks like this. This end is the nearest end coming from the full left end is the transmission, and you remember it at the transmission end of the end.



There's one adjustment hole in the upper bellcrank to which the end is attached. There's also an adjustment hole in the bellcrank's upper bracket. When the hole in the bellcrank end is straight, the hole in the bracket end that you're working with is 1/2 inch diameter pin. When that's put in place, there's a hole in the pin's shift lever pin. You have you're working with the shift bellcrank, outside the bellcrank.

You'll need a (bunch) of alignment pins before you're done, but if you can't get the pins, you can use Mr. 20-inch bitz—they're helpful for working out any pins, gears or gels that's clogged the holes. You might also get the bitz as your support unit for some 7/16-in. drill work.

By starting to work on the shift linkage from the transmission end to the driver's end, instead of vice versa as it usually does, you'll avoid the confusion of fumbling with the shift and cover bellcranks at the transmission end. They're located so close together you're apt to get 'em mixed up, so, what's just as bad, you're apt to drop your tools and parts into the engine compartment.



Now you're ready to start working inside the frame. Remove the rear access cover in the floor. Remove the front one, too, and you'll get a better idea of how the linkage is located up.

Now a bolt is again the shift rod from the transmission end so's you have your working with the right one.

Now bring your large bolt out.



Along the left side wall, you'll find two bellcranks they're fast with the adjuster that runs in line as the adjuster. So connect the larger pin of the top, and pin it to the support bracket.

When you've joined the bellcrank, adjust by either shortening or lengthening the long rod leading from the bellcrank to the rear end of the transmission end. (It's just the 20-inch bitz to the bellcrank arm.)



5.

To work with the next battenset, the lower one, you'll find it easier to work with if you remove one of the timbers bracing the structural cables to the wall, so you can pull the cables down out of the way.

Remove the short vertical rod from the battenset previously placed. And you'll be ready to work on the next section of the battens.



6.



Now you're ready to put the shifting control lever on the shifting quadrant battens between 17th and 18th steps. In this position it'll rest against a small T-shaped leg on the quadrant.

7.



Insertion the rear of the short horizontal rod at the battenset located behind the shift quadrant.

8.



Now rod pin that battenset to its support timbers.

9.



Insertion the next rod, which is the long vertical pole leading from the first battenset to the tower floor, lower it at the end of the battenset you just placed.

10.

The vertical rod is attached to an arm, which is hinged to a long shaft that goes back to the center of the tower. Another rod is hooked to the rear of this shaft.



11.

Now, push the vertical rod near the rear up and down till the arm at the bottom of this rod is as near horizontal, and the arm back at the rear of the shaft is as near vertical as the cables are short.



12.

Open the rod and in or out to get this rod the right length to hook back up to the ground battenset.

Now follow the arm at the rear of the shaft past the next battenset and you'll see the start of another rod going back under the tower floor. The angle between these two rods and the battenset should be 15-degrees, or right angles.



13. Now go back to the lower balljoint on the slanted portion of the ball flange, which you've already disconnected. Adjust the rod length, if necessary, and pin the balljoint.

Caution: In working with these lower balljoints, make sure the heads of the bolts face each other, or the head of one faces the nut of the other, or else you'll find that the steering linkage T-bits all your shift linkage, since the balljoints for each axle sit close together. In other words, make sure that the nut of the shift and steer balljoints do not face each other as they'll fit together!



14. Now you've adjusted all the balljoints, make the vehicle visible to the eye, looking from the shift quadrant to beneath the lower flange. There's one balljoint under the flange that you can't see through the access hole. It may be that you can't have headlighting over there if your shift linkage works right after you adjust the others, you'll be OK.

However, if the transmission shift lever won't follow the driver's selected lever in all ranges, you'll have to pin that balljoint to its support bracket and adjust the rods to fit.

You get on it by opening the lower access door in the hull at the rear of the vehicle. Crawl in on your belly like a reptile in the left side, beneath the access racks. A buddy can help you out by reaching through the access hole in the floor and working with you to pin the balljoint and adjust the rods. If you need more help, a third buddy can be the tow and guide both of you in the balljoint and rods—he can see what you're both doing by crawling up the access porthole.

Now, the only rod you haven't adjusted is the one you disconnected in the first place—the rod from the hull left wall to the transmission. Move the transmission shift manually halfway between HI and LO ranges. You don't need no wrench, but 20-Megawatts helps. Now adjust the rod to the right length and reconnect it.

Remove all adjustment pins from the linkages and check to see that all pin nuts and cap screws have been tightened.

Have a buddy move the driver's shift control lever from each position while you watch the transmission shift lever to see that it shifts into each range as marked. (If the transmission won't shift, go back and pull out the adjustment pins you forgot.) Remove the bolts from the transmission area and make sure the hole in the rod aligns on the flange with the hole in the rear of each shift position.



JOE'S DOPE

HALF-MAST WITH THE FLAG

WITH OUTLINES BY BOB



It looked extremely ready for the all-star team that day.
The score was two to four, and all the boys prepared to pay.
When Canada's engine coughed and died, and Dime's did the same
The crowd just passed and looked at the team whose stuff was lame.

A lot of them gave up the ghost and figured things were through,
Saying just a few to hope their outfit's stuff would do.
Some said "Just watch it! Half-Mast in that jump area country soon!
With Half-Mast riding shotgun there you'll really see some fun.



But Joe on "BRANDS" was coming on, and other that some "DARKS,"
 And Joe on "BRANDS" was plenty weak—the train on "DARKS" were bands.
 So, for the angriest part's time that dark clouds obscured their sun,
 It looked like there would be no need for him to make that run.



But Joe looked up a perfect score to see things up just right,
 And then the smother train shaped up—looked everything in sight
 And when the gunner was a-jawed away to give each and a chuck,
 The smiling train had squared things up. The score was made and made.



Then from the home town home there came a whisper, there a roar,
 It pounded on your conscience like an MP on a door,
 It bounded off the PW wall and echoed down the street,
 The odds were even, down the line, the All Star team would beat.



There was noise in Half-Mast's opinion as he walked up to the jeep,
 There was pride in Half-Mast's heading as he checked a pocket watch.
 And when he arrived to the gate he slightly bowed a head,
 A DD-ITW in it showed he had the whole thing planned.



His loyal team applauded as he showed his readiness all
 The opposition bowed and bowed at all his DD tail.
 Then, as Mandy moved and smiled and "gassed her in her place,"
 The thought of beatings burned that way through pain to Half-Mast's face.



But now the mortar lifts its gun, and now they're on the line,
 And waiting for that popping that sends shivers down each spine.
 But wait! Mandy's face shows again. He's off behind the gun,
 While Half-Mast waits until the shot is shot. But don't run.

Joe's Dope Sheet

When the time comes for your gang to roll,
When hard knocks and hard runs take their toll,
If a man's sure and steady
With equipment that's ready
You'll be sure your team reaches its goal.



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



The all-star team exploded as they surged out on the field.
 They called for fastest victory, they called the officers dumb.
 "We'll bring him back and make him stop the way he should have done!
 But Hall-Mat's about them called them down: "This team's already won!"



"It's over before the start," he said, "because of FBI checks.
 The proper service separates the good ones from the weeds—
 The way you run, the way you live, is set down every day.
 The man who makes his study checks has FBI that will pay."



As over Hall-Mat is closing fast and now they're sloppily turning,
 And rolling smoke from Henry's jeep shows something's really burning.
 His checked head has disappeared, his engine's smoking hot,
 The time has come to pull it back after Hall-Mat doesn't get.



He reaches for a hidden box of tools, beneath his seat.
He drops them on the road behind and waits for Half-Mast's flat.
He hears a front wheel bumping as he's laughing up his sleeve.
He waves at Half-Mast's helper as the Jiff-Jars start to grope.

But there are unseen shock-hole givers, a damage of the same.
The fastest man with tires will be the winner of this game.
Then Half-Mast grabs his O-Roll and reaches for his spurs.
When Mandy reaches for his own he finds it isn't there.



The smile is gone from Half-Mast's lip and Oscar's murder wheel.
Just one delay in changing tires will flush 'em down the drain.
But then the villain starts to search for Half-Mast's O-Roll—
A giant cloud cuts the blanchers off from any view of him.



Will Roll-Along hold his title with his careful study ears,
 Or will Bull Hardy win with luck beneath the dust cloud there?
 Will careful chads and tender ears pay off with winning ears?
 The fans jump up, without a sound the dust cloud starts to clear—



Oh, somewhere off the coast tonight the glasses hit an high,
 The bets are in and all the going is rolling up the pile.
 The money's on the table and the trophy's in the air,
 Wholly Roll-Along, Careful Roll-Along says "Our FBI won the race."



NO LICENSE NEEDED

Dear Sgt. Half-Mast,

Please point for me the regulations, if any, that say radio, radar, or control-board operators have got to have licenses to operate their equipment. What tests do you give them?

SFC J. R. D.

Dear SFC J. R. D.,

There's no regulation that says they have to be or should be licensed.

It's up to the CO to make sure the operators are qualified in their specialty either through school or by on-the-job training.

Even if CO's also see that the radio men are qualified and licensed to drive the vehicles on which their units are mounted. In which case, they would have to be licensed drivers, and the vehicles they run their stuff should be shown on their DD Form 115.



OOH, MY ACHIN' FRAME

Dear Sgt. Half-Mast,

On giving the frames of our M11 dump trucks a real close inspection we found some small splits and cracks around the rivets—especially on the sub-frame.

These cracks are small ones, like I said, so maybe't we could them or have our support unit weld them? They don't look like they'd be giving us any trouble for awhile. Welding would keep them from getting bigger and the weld should make the frame stronger than before.

SFC J. R.

Dear SFC J. R.,

Waking a close inspection of your M11 frames is a damn good idea—but when it comes to welding, that's another story.

There've been some reports down that say no repairs will be made on frames that need straightening or welding between the main forward and rear spring hangers or brackets (or suspension support brackets). You can find the stamp on this in AR 741-2400-7. You don't repair 'em in any way.

If you say to repair 'em, you're taking a chance on being in disaster—ragging frames doesn't make for a pretty picture. A lot of guys could be depending on you and your truck at the time it folds in the middle. You take action on the frames like it says in AR 741-2400-2.

Now, it's possible some cracks in the frame that don't come in the area between the spring hangers, but let your support people take a look-see at them. They're the ones to decide. Could be a hair-in diameter hole drilled in the end of the splice will stop it from going farther. These frames are beat around and misshapen would do no more harm than good. They may not be as strong or rugged as they look.



It's a good idea if your mechanics or maintenance men take the frame on your M11's during PMO services. You should check your troubles before they start.

One more thing. Let them level men in on this one, by sending in a UCR (Def. Form 448) when you come across these cracks.



Handwritten signature

IN THE CAN

Dear Red-Head:

We've been keeping the rust out of our stored 3-gal gasoline cans by stuffing their insides with Lubricating Oil. Preservative Special. It sure does a good job, but it's only a one-time cure.

Since as you start using the can again, the oil mixes with the fuel and that's the end of it. When you put the can in storage again—your guess is out it again.

Need tell a whole lot about some stuff that we can use these cans with that won't ever come off. Real rugged, I hear. Some of the rebuild depots use the stuff to coat the inside of truck gasoline tanks. I it's good for them then maybe it's good for our cans. Can you let me on the deal, Sarge?

SP-1 M. P.

Dear FFI J. M. P.,

You heard right. And, like you say, the PL Special is CR—as far as it goes. But the Engineers have a proven idea that'll ease the burden off your tank for many a month—and solve your waste problem too good.

There's a certain quality that makes a good tractor. But there's an even better advantage you'll get from the PL. It won't get around to waste your cash any more!



This stuff won't leak, blow, or break. And it'll stand up to pressure and pressure like a real Trojan. The name: Insulating Compound (MIL-118114), Allied Radio, RIM 5015-258-5470 will bring you one square and RIM 5015-251-5050 is good for five gallons.

The coating job, you see, is still the same. Pour about a gallon of the compound into the tank ... up the tank ... and shake the compound around until the inside is coated. Then pour it into another can and repeat the process.

Now the coated tank according to local SOP.



PICK A PLUG

Dear Gorman,

I've been having trouble with my plugs. The ones that go in 15-gal drums. Some of them just don't seem to fit right, even though I can manage to screw 'em in if I try hard enough. But that always leads to leaks. What gives?

FFC R. M. R.

Dear FFC R. M. R.,

No amount of engineering will help you if you've got the wrong plug for the hole. There are now different kinds of plugs being used on 55-gal drums, and

they're not interchangeable. They screw in all right, but they won't snap back. You just have to use the right plug with the right hole.



You'll find it so noticeable the difference between the new plugs and flanges as you run all right off which drain uses what cap. If you need more caps, call for me by the numbers:

CAP, SEALING, 50 gal, used drain (Chemistry): Plug, used drain, flanged (Cap).



Dear Mr. Jones,

I've read your letter. I'd take Figure 2.11 on page 100 of THE POWER SYSTEM, the oil drain plug won't let out all the oil in the first drain during my MCI, and if I use the top plug as both a filter and level plug, I get the housing aches too.

Looking up at the top of the same page in the manual at Figure 2.10, which shows the filter level drain, I find three plugs, drain, level and filter.

Then looking at my MCI fuel drain housing, I also find three plugs, but no

members of the battery plug in the TM . . . learn to use these three plugs correctly to drain, level and fill your side the other way. What gives?

Sgt. E. D. B.



Dear Sgt. E.D.B.,

You're right, those three plugs you found on your B7's are drain, level and fill plugs, just as you figured. Use 'em that way. Also see change 1 to TM 9-1400, 15 March 58.



RESISTING RESISTOR



Dear Puffy-Man,

As you know, all 88-4011U batteries in Filter-Air units have to be tested before being installed. TM 11-1135 describes how they should be tested and says that a resistor test assembly is to be used to load down the fully-charged battery. The 88-4011U's have to deliver 16 amps for 15 minutes, then a resistor is slipped across the terminals to measure the voltage.

Since this is the only fully reliable test of the battery, it then follows that the 88-4011U resistor test assembly is a highly important piece of equipment.



Now, here comes the real Mustang, but nowhere can I find the engine for said. It's not in the TSB or any reference other than TSB 11-1535.

Now then, Sirge, I'd sure appreciate it if you can find me the stock number, correct nomenclature, and authority or regulation title under the assembly.

Lt T. E. R.

Dear Lt T. E. R.,

Got just the number you're looking for. It's Engine Assembly MS-1076/AL, FM 1001-543-1054. The assembly is a component of Test Set Battery AM/100M-60.

Fig 7 & 8 AM/100M-60 and Change 1 of TSB 11-5865 (4 Jan 1957) have the full scoop.



Dear Connie,

The weather at our Nike site is usually warm—and sometimes gets mighty hot. One hundred degrees in the sun is common, and that makes things hot for the guys who fuel and defend the missiles.

Those protective outfits they wear may keep 'em safe from harmful fuel splashes, but they sure don't give protection from the sun. Some of our men can't stay in the suit more than five or six minutes under these conditions.

Anything we can do, Connie, to take some of the heat out of the job?

Sgt R. P.



Dear Mr. H.F.,

Think I'll show some cold water on your trouble, boys. Come to think of it, that's the whole idea. Your galloped motor fuel handler's wardrobe includes a supply of snap-cloth coveralls and hood—that use the principle of water evaporation to keep a handler cool.

After you slip into the fast-evaporant hoose, overall, gloves and hood, then you're ready for the cloth coverall and hood. They go right over everything, in one "snap" style.

Then as you keep working that snap-cloth with water, evaporation does its work to keep the man inside cool. One of Mr. Wagner's first laws.



Incidentally, the hood comes in only one size, but you can make your pick in the coveralls. If you're in an evicting mood, here's a quick rundown on those snap caps: (TM 15.177 and SM 16-1.0015 give you more details on descriptions, use, sizes and numbers).

NAME	SIZE	FEDERAL STOCK NUMBER
TYPE 100MG, 100FT FIB HANGERY 1000, snap cloth, size green		9415-104-1000
SMALL, 100MG, 100FT FIB HANGERY, snap cloth, size green	small-short	9415-105-1010
	small-med	9415-105-1011
	small-long	9415-105-1012
	medium-short	9415-105-1013
	medium-med	9415-105-1014
	medium-long	9415-105-1015
	large-short	9415-105-1016
	large-med	9415-105-1017
	large-long	9415-105-1018





DON'T BEND IT

It's been said before, but here it is again... for you Nike-Apex minis. sure.

Next time you go to connect the electrical ground power plug on the M1 rail to the electrical ground power receptacle on Tunnel No. 1 of the minis body, take it easy when you slip it up the female cone.

You gotta remember that an amount of righting will make the electrical connection way better, but too much righting will put a strain on the ground power being, or breaker, which feeds the wiring harness to the tunnel.



Could be that long when you're required the pressure of the plug against the receptacle, the tunnel won't get back into place—you might even have as much as a 1/4-in gap between the tunnel and the minis body. There when the minis's in flight, the tunnel might go its own way.

So more powerful some wires and remember to tighten the clamp screw just enough to make sure the plug will stay in place in the receptacle. And, if you find a tunnel that's bent, take it off and have it straightened. You'll have to do join the minis line, but it's worth the extra time in the long run.



A FILTER TIP

You Nike-Apex guys should be using the latest air filter in your aspiration system by now.

The new filter (F504 (150-692-146 1)) is made of the modulation assembly, pump for assembly and pump group. It is placed in the open glass filter F504 0.100 100.100.



The righting is that the new filter can be turned and then used again.

There's some info on the filter itself that tells you about turning it, but here's the latest scoop. It'll give you better results.

For the filter, filter side down, is a gas that's been set up in a cup where there's lots of ventilation. There some outside ambient gases (F504 0.100 100.100) brings a puff of air from the Engstrom in the gas and the filter's covered. Let the filter work for a good hour.

After the filter's worked real good, wash each with a clean paint brush to get rid of all the junk that's been set up. If you want a paint brush, F504 0.100 100.100 will get you the job from the Engstrom.

Once the filter's clean, put it back in for a day.

Meanwhile... get rid of the tunnel, clean the gas and still is with CE 10 when the temperature is between -15°F and +15°F. But in temperatures above 15°F, switch to CE 10... just like it says in the F504 0.100 100.100.

Think the dry filter is the old and he is ready for 15 minutes. Then take it out, try it down that one's clean surface, and let it drain for at least 24 hours.

You can keep it in good shape for using again in the future by wrapping it in some Quercus-type padding paper. The stuff called Marlin (Marlin, green-powdered, flexible, F504 0.100 100.100) gives you a 10-in wide roll.



THE BULGE IS OUT

The best way for a bulge to bulge is outward. Whether you're dealing with the handset pin-up girl or something as sophisticated as an N-100 3.5 handset-bulge and its successor, N-111-11.

So why talk about the handset? Well, the microphone on it has a protective plastic shield over the microphone element itself. That shield, of course, looks paler than you usually seem to be talking to . . . although the element underneath is the real trouble.

But it's delicate—fragile—and needs protection. Which is why the shield is there, and which is why the shield is built to push upward and bulge outward when installed.

This bulge allows backspace between the shield and element to serve as a buffer to ensure Joe gets human-dignity and less like not drop. Also, it helps to prevent the element from the "bub" caused by your breath when talking into the microphone.

So when the time comes to inspect the element—and the rest of the handset—the shield comes off. And it's as easy as slipping onto a too tight to put, that shield is the wrong way. With the bulge in and out. That's because the microphone element—built to snap-and-out of when they have you with a dead line.

Simple preventive maintenance says to put that cover on with the bulge out—like a bulge should. Keep it covered, so to speak.



CRADLE CRAMPED?

Dear N-100/111,

I've been bothered around for some old and comfort about my T-10-111/111 telephone set. Maybe when the last time that slipped through the line, or some thing that the N-100/111 handset has doesn't quite fit snug in its cradle.



I've, my T-10-111 also has the hand-set-and-outward-wardward (N-10-111) along with the connector plug that's used to plug it in. And it's the plug that looks strong in itself. It's a shield between the element and keeps the handset from being as tight as it should.

As when I find talking with somebody up the line, I never get the feeling that the N-100 is doing up right. And my advice for me, maybe?

With F. L. N.

Dear Mr. F. L. N.,

For your message near 'half', and think this old large handset, you can't be too careful to help.

If you're the trouble . . .

That connector plug has a small metal ridge running up one side as a man wearing gloves can get a working hold on it. Which is just fine. But you can see that the microphone and middle are close together—maybe a little too close.

Because when the handset is plugged into its cradle . . . and the plug is in the microphone . . . the ridge scrapes against the side of the handset. Not good.

So the word has come down that a little work with a file will get things up just right. Tack onto a file and file away the ridge until it's back with the curved side of the large diameter of the plug. That'll give you enough clearance and won't take more than a few minutes of filing. The secret is not to do this way.

Newer models of the T-10-111 don't have this problem, 'cause the key and wiring device on the microphone looks the plug in place with the ridge facing away from the handset.

But if you're making your calls with an earlier model, just file away your troubles.

With F. L. N.



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ARMY AIRCRAFT



ROUGH HANDLING

Gently, patiently, gently, when tying down your whizbitch. Too many frustrated Low Ranges have been "downin'" a rope on the blades of their Chinooks (HH-43) and "wreckin'" 'em down to get the blades on.

Leave us that is. Minus a ship is not a cold rope in the rules. However, pullin' the blades down more than five feet below the normal drop puts too much load on the rotor hub. Tacklin' 'em around with a rope can also damage the pulleys and the spurs.

In, please, it's a word-avoid, no blades, no long rope with to get those rods on. Give us imagery, like, really, no mechanical landing on rain country, where there are no blades, you can pull the blades down, but never more than five feet below the drop position.

The full drop is moving into TML-10-44-1, and you'll notice that you only do the blades down six inches, or less, from normal position.



Another thing, when you want pull a rope through, do it from the foot-end, not from the end of the blades.

BIRD DOG BLOOPER



Remember! The correct position for your Bird Dog's (L-19's) main landing gear stem is 30-FR. A couple of sharp-eyed mechanics caught the mistake in TM-11, TM-2 and the L and reported it on an Unsatisfactory Equipment Report.

You'll find it handy to know that the TIR can be used to report unsatisfactory publications as well as equipment deficiencies.

GROUND SAFETY

Here's a couple more notions to help you keep your birds happy and your kids in one piece.

CONTROLS

Never play with 'em. Move controls only when you need to. And before moving any controls, be sure nobody's working on it. Your crew chief won't thank you if you plunk his fingers in a tailboom.



Also be sure everybody is clear of the control surfaces, particularly during control checks (you don't want to bust anybody with a your blade.)

And, any time you disconnect a control, or take one part of the system, take the trouble using the safety controls. That'll keep anybody from moving it, possibly

loading you up when you come to put the parts back. It'll also make sure no one else really *des* the ship. If he missed the story on the 781-2-beaten starbird!

PARTS

When you've taken anything off the aircraft, move it out of the way, if possible. Otherwise, mark it so it can be clearly seen, day or night. You don't want some poor senny falling down a pile of coverings.

MOVING

When you tow or push an aircraft, have someone on the brakes, and a man at each wingtip and the tail to watch clearances. Wingtips are expensive, especially if they come galloping across your payroll as a statement of charges.



HANGARING

When you hangar a wholebird with the main one bolted, try hanging a red streamer from each blade tip to nobody'll run anything into 'em.

Try them for size, and send your own ideas on *Age* Hall-More, P.O. Box 100, Newark, New Jersey, so he can pass 'em on to the rest of the flock.

NO JAWBONE STUFF



You'd think that by now everyone would know that you can't go tinkering with aircraft without authority. But some lunkheads are still making jawbone modifications. You can't do it. Mom's liver depends on those aircraft, and the law is laid down to prevent 'em.

AKC 730.7.11 (1 June 97) tells you just exactly what you are allowed to do. You want to believe it because they'll hold you to it. And if your aircraft takes harm from any unauthorized meddling you may have done to it, it'll be your undoing. (Not to mention the bad deal of ending up with your pay in a sling.)

So stay legal, friend, and stay happy.

SHOOT THE SIOUX SHAFT SOFTLY

With grace, that is.

- 1 Disintegrating the forward shaft coupling of the tail rotor drive shaft on Sioux (H-13) helicopters can cause all kinds of trouble, including death.



- 2 The exact grade of the coupling grade isn't it. That is, it prevents any and plays, in any three coming up from the tail boom are passed right on to the rotor and bearing hanger.



- 3 If the bearing in the bearing hanger lets go, you've got a real trouble, and it's not just for you. If the bearing lets go and bearing hanger, not to mention bearing plate and pinion.



- 4 In plain talk, you. It can take about 1/4 to 1/2 inch (1/4 to 1/2 inch) of the shaft, also, to see the shaft come. That's not the end of it. If you don't know what that's about, that's not the end of it. If you don't know what that's about, that's not the end of it. If you don't know what that's about, that's not the end of it.



Now, if you overdid it, it'll throw gears out to the weakest spot on the cover, causing the shaft to be worse balanced, and shoot the shaft cover faster than the engine, you'll get a high-frequency vibration.

And when you take your first jump there some shock is mild. Go easy on the ground, and stop while you still have about 1/4 to 1/2 inch (1/4 to 1/2 inch) of the shaft. (Normally, cold weather will make that cover stiff, but you can still feel it.) And never pump up the shaft cover.

If you had a hodge in the cover, or even a move the shaft, you'll have to take the cover off and clean it out.

Special Feature
Early This Year

HEY! FREE ENGINEER MWO KITS



It's a long time till Christmas, but old Santa Claus has early presents for everybody. The good news—for all Army and Air Force men—is this:

You can get the modification work order kits needed to complete all Engineer MWO's on your equipment free. These include forms that through 1946 edition. But this doesn't apply to parts and materials not supplied as kits—they will take charges of funds.

Here's how to get the free kits:

Take a check on the Engineer MWO's that haven't been done on your equipment yet. (Department of the Army Pamphlet No. 110-4—with changes—and the published MWO's you already have—with changes—will give you the scoop.)

For MWO Kits to be applied at the organizational maintenance level, submit a requisition through normal supply channels for Engineer repair parts kit.


demanding General
U. S. Army Engineer
Maintenance Center
P. O. Box 119
Belmont 14, Ohio

NOTE: EMBL-3

The following information must be on the requisition:

1. MWO number.
2. Make, model and serial number of the end item to be modified.

On MWO's mailing list that are applied by field and depot maintenance, will support in requisition the list at the same address. Suppose you're the list—and list only—for free, too.

Remember get right with it and get your requisition in to the Engineer Maintenance Center regarding MWO list. Work with your support unit to make sure you cover everything.

If you need any help in getting those requisitions off, get hold of the nearest Engineer Regional Maintenance Office, Engineer Regional Maintenance Representative, or Engineer Maintenance Technician. They'll give you a hand. Your maintenance officer or CO will get in touch with them for you. You can also get help from your Engineer-depot maintenance shop, or direct from the Engineer Maintenance Center.

Keep this in mind: You can't get repaid for funds expended on local procurement to buy parts and materials, or for fabrication of MWO list—unless you get specific authority from the Engineer Maintenance Center. So before you spend money locally on MWO's check with the Engineer Maintenance Center.

DRILL & DRAIN



On your next maintenance service of the Model 101 Barbed-Coated Asphalt Mole, check for water in the front axle assembly. The way the assembly's made—two channel iron with the bottom inclined—makes a place for water to collect. Drill two drain holes in the bottom plate section of the axle. That'll let water drain out of the axle assembly and keep it from rusting.



It's Still A Generator Set



Time was when the Pioneer General Electric Motor Corporation produced an FPM 4115-4235-4635, well-known as shaver charger. They were two-model numbers and two English made machines. Like so:

1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 2680, 26

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THE 2000-2001



Then along came EM 1-1-6100 (May 1948) and things were changed. Both models became Model EM-200-61-6000, and both Engineer stock numbers were converted to EM 6111-611-6011. Now ID plates were called for.

But somewhere along the line things got a little out of hand, and it seems the names haven't been keeping up with the proper nomenclature. That has now gone too far as it will cropping up with more names and model numbers than you can shake an IP cube at.

Here's the correct manufacturer, model and PGM that should appear on the ID plates for your generator set:

Generator Set, GEG, Pioneer Gen-E-Mance Corporation
Model BC-10L, PGN 6271-629-6671.

It's just plain model number BC-10L, now. The 62-6550 part of the number was dropped since it was only the major factory's shop year number.

If your don't read this way, drop everything and yell for your Engineer maintenance man.

Your Engineer support friends'll handle the job of removing the old plates, and stamping and installing the new ones like SS 3-79 says.

No sweat . . . no confusion.



By The Editors . . .

The Right Fuel Filter



Here's the story on what fuel filter to use on Canadian-built generator sets, model MHRACIA-604-090, 150KW, 60-cycle.

If your generator set has an engine serial number from 100820 through 170816, get your filter by direct purchase. Don't use the one listed in Eng 7, S & S-1174. Purchase it with Federal Supply Code 11670 (Fram Corporation), part number C1100PL. It's also available under Federal Supply Code 19116 (Canadian Engine Company), part number R0017M1.

If your generator set has an engine serial number below 100820, get the fuel filter listed in Eng 7, S & S-1174. Repurchase it through regular Engineer supply channels.

CONTRIBUTIONS



JOT IN A JERT

Dear Editors,

Writing all the info in the log books for our Nike-Ajax missiles is our big job, especially when you have to record all the checks. Our log books were beginning to look like last year's mail order catalogs before we hit on an idea.

What we do is mimeograph the most frequently used pages from the logs—like the one where you record battery checks—and keep those pages, one numbered for each missile, all together in just one missile folder. As the pages become filled, the data is transferred to the log book, all at one time. Saves flipping through lots of log books each time just to record a check, and keeps our books in pretty fair shape a lot longer.

Our inspectors buy this idea, too, since they can check the paper work a lot faster.

The Gang

24th AAA BN Bn

LOONEY LUNETTES

Dear Editors,

Recently we took our M106 14-ton cargo trailers on a few field problems over rough terrain. We found that the trailer lunettes had become up solid—and it wasn't for lack of lubrication, because they were greased every month to get 10 S-RT L.

With the lunettes stuck solid, they didn't have any give to them. So, when towing over the lumpy terrain, with the twisting action set up between the moving vehicles and the trailers, and no give in the lunettes, the lunettes worked out of shape and a few plastic bushes often got bent up.

Those trailers, up to this class, were used mostly very good, paved roads, where there'd be very little or no rubbing action between the trailer and its towing vehicle. So, without any regular movement, the hangers just froze solid.



What we do now is turn these hangers to a vertical position when we unhook them and park them for the night.



Next day, whenever you use the trailer again, we turn the hangers back to their horizontal position for towing. This regular 90 degree turn is all that's needed to keep the hangers moving-plus regular lubing.

As far as those trailers in storage, it'd be a good idea to go down the line once every few days and give the hangers a couple of turns—just to make sure they're operating easy-like.

**Left: Fred L. Bunkley
Rt. McCallum, Mo.**

KEEP YOUR SEAT COVERED

Dear Editor,

Big replacement lawn-covers are out yet. Still doing mostly overnight wet rains and wet seats. The headrests and springs in the seats are usually ruined by rain within two years.

We made extra covers for our Car D² tractor seat to keep off the rain. Every tractor should have one. It keeps a little on top the seat at night for drainage, as the TM shows, but you really need a cover to use down an replacement seat.



This cover can be put on and removed in a few seconds. When it's parked, it's out of the operator's way and doesn't interfere with any of the controls. All it takes to make it secure is one corner strap.



Is that it, just roll it up around the dead car to the top line, fold the flaps in.



When it's all rolled up, the cover fits right into the tracks against the back panel.

Come time to bag out for the day, and you just unroll the cover. The bar in the top holds the cover down there. Put the flaps over the rear seats and tie the flaps down by putting ropes in the grommets. That'll keep the cover in place even if the weather gets rough.

At the start of the day, it only takes a few seconds to roll up the cover and store it.



William F. Cook

Abbeville Printing Ground, Md.

Old Navy—Jenny money, and it sure beats riding on our cushions and rusty springs. Nice going.)

SHOW YOUR OWN

Dear Editor,

Lots of publications talk about a DOD (Department of the Army) or DO (Department of Defense) form of one kind or another, but they never show you what it looks like. The turnover in our outfit is so high, too, that just about every month we've got a new man making out our forms.

So, instead of handing up a copy of each form to use for instructions, I use a staple or paper clip to attach the form to the same page of the TM on which that form is described. I do the same thing in each FM, TR, BR, etc., adding on each new form that comes along.



When an old form becomes superseded, I cross it out and clip the later one over it. This gives us an illustration of every form we have in use.

Pat R. Halcyon

APG, New York

(Old Navy—It's worth the trouble. And DOD Form 130-2 (Index of Blank Forms) can fill you in on any new ones you might make.)



Dear Editor,

The design of the gas-nozzle working system on the M50 (around personal number 1011) for refueling cars is around eight or nine gallons a minute. So, filling that 150-gallon tank can take a long while.

We thought up a gimmick that lets us increase the refueling rate to 20 GPM, without getting any blow-back. The nice thing about it is that it's not part of the vehicle. You can make just one, leave it in your fueling area, and it can be used for every M50 that pulls in for gas.



(STANDARD
NUT IN STOCK
FITS 1/2\"/>

It's nothing more than a 4-ft piece of Nuts pipe, with two 1/2-in. elbows. We drilled two 1/4-in. holes, one inch from the bottom, to help vent.

To use, just put this pipe, which acts as an additional vent, into the gas nozzle blow pipe of the vehicle and start pumping. After the vehicle's filled up, remove the additional vent and the vehicle's ready to roll. That's all there is to it.

To use, just put this pipe, which acts as an additional vent, into the gas nozzle blow pipe of the vehicle and start pumping.

**MC Engineering, Cooper,
Hornum and Zischel
Fort Ransom, Ga.**

(Ed Note—Good idea. The design people are working on a production for that'll let you pump as much as 20 GPM. But, until this comes out, your vent'll fill the fill slowly. It's not attached, so it's not a modification to your vehicle—and you only need one for each fueling station. Course, it's got to be kept as close as a vehicle.)

WEAR IT OUT



Your Equipment's Supply Manual
Authorizes You Another Copy...!