

# SAVING GOOD BATTERIES

WOW! LOOK AT ALL THESE UNSERVICEABLE BATTERIES!

I'M NOT UNSERVICEABLE!

YEAH, ME NEITHER!

What do you do when your vehicle's lead-acid battery, NSN 6140-01-485-1472, doesn't work? Just turning it in as unserviceable is one choice, but not the right one! The right choice is to test it first to make sure it really *is* unserviceable. Save your unit the cost of new batteries by testing them when you think they could be bad. Turn them in only when testing shows they are bad.

## TESTERS

A conductance tester, such as the Pulse Tech (PT) 490 conductance tester is very sensitive. It can find defects or battery weaknesses long before any problem or capacity loss appears.

PT 490 Conductance Tester, NSN 6130-01-510-9594



But the PT 490 can't analyze the condition of a battery pack if it is connected in parallel; you need to isolate each battery. Use the MDX 700P HD conductance tester.



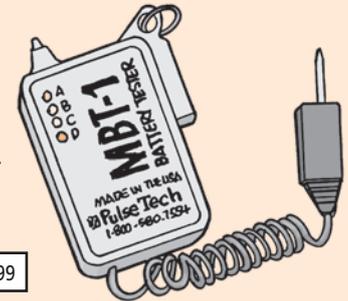
Midtronic's MDX 700P HD replaces Micro 700 Series conductive tester, NSN 6625-01-477-4704



THE TEST EQUIPMENT YOU NEED IS IN THE STANDARD AUTOMOTIVE TOOL SET (SATS). YOU CAN ALSO ORDER INDIVIDUAL TESTERS.

And the mini battery tester (MBT-1) is a micro-ohm load tester designed as a diagnostic tool for the operator. A fixed post positive connector and coil cord moveable negative connector make checking multiple batteries easy and fast.

MBT, NSN 6130-01-463-8499



LOAD TESTERS INDICATE THE BATTERY'S ABILITY TO HOLD ITS VOLTAGE WHILE UNDER LOAD. MAKE SURE YOU READ THE OWNER'S MANUAL FOR LOAD TESTERS BEFORE USING THEM. OTHERWISE, YOU MIGHT GET INCORRECT RESULTS.

FULLY CHARGE THE BATTERIES **BEFORE** PUTTING THEM INTO SERVICE. RECHARGE THE BATTERIES **AFTER** REMOVAL IF YOU'RE GOING TO STORE THEM. YOU DON'T HAVE TO RECHARGE THE BATTERIES IF THEY ARE HEADED TO DLA DISPOSITION SERVICES.



# CHARGERS

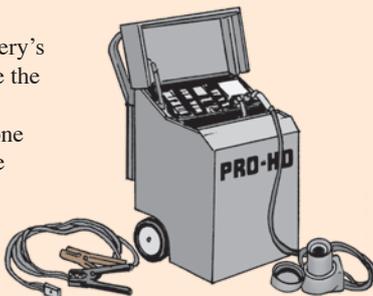


HERE ARE YOUR CHARGING OPTIONS...

The Pro-4HD charger automatically selects 12 or 24 volts. It senses the battery's condition and provides only the voltage the battery can accept.

It comes with two charging cables: one for the NATO slave connection and one with alligator clamps.

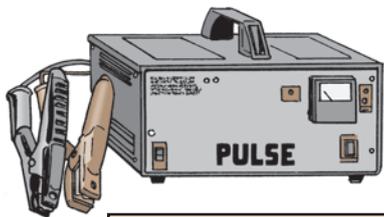
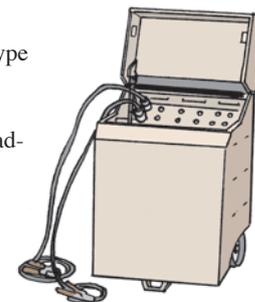
Pro-4HD charger, NSN 6130-01-500-3401



The pallet charger is a 12-volt, 12-station charging unit. This charger can connect to any type or size of 12-volt vehicular battery.

Each charging station on the charger works independently. That way, any combination of lead-acid batteries can be charged at the same time.

Pallet charger, NSN 6130-01-532-7711



Pulse Charger World Version Plus, NSN 6130-01-477-4703

The Pulse Charger World Version Plus is a 12-volt only charger; on the back it has a manual switch for battery types. It comes with alligator clamps, so it should only be used on batteries that have been removed from your vehicle.

The Associated PP-1660 Type F charger charges both 12-volt and 24-volt batteries. It has two charging cables: one for the NATO slave connection and one with battery clamps. This charger was issued with the early SATS.

Associated PP-1660 Type F charger, NSN 6140-01-518-7866



BATTERIES ARE CONSIDERED HAZARDOUS MATERIAL...

SO MAKE SURE YOU FOLLOW HAZARDOUS MATERIAL DISPOSAL PROCEDURES OUTLINED BY THE TECH MANUAL AND STATE, FEDERAL AND LOCAL HOST NATION LAWS.

ALSO, USE DA PAM 200-1, ENVIRONMENTAL PROTECTION AND ENHANCEMENT, AS A RESOURCE.

YOU'LL FIND THE HQDA GUIDANCE IN ALARACT MESSAGE NUMBER 100311741/AMHS DTG 031826Z MAY 10. YOU CAN SEARCH FOR ALARACTS ON AKO. YOU CAN ALSO VIEW IT ONLINE USING THIS LINK:  
<https://www.us.army.mil/suite/page/550282>

FOR MORE ASSISTANCE, CONTACT LTC PENNY TONIOLLI. CALL HER AT 703-697-0556, DSN 227-0556, OR E-MAIL: [penny.toniolli@us.army.mil](mailto:penny.toniolli@us.army.mil)