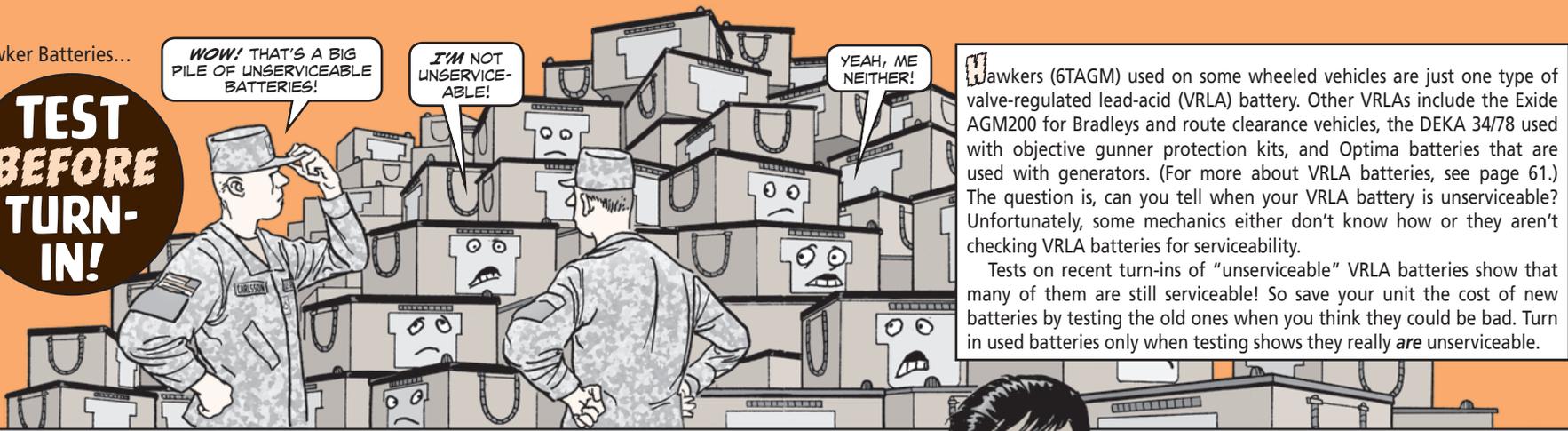


TEST BEFORE TURN-IN!

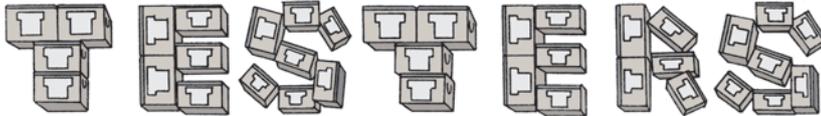
WOW! THAT'S A BIG PILE OF UNSERVICEABLE BATTERIES!

I'M NOT UNSERVICEABLE!

YEAH, ME NEITHER!



Hawkers (6TAGM) used on some wheeled vehicles are just one type of valve-regulated lead-acid (VRLA) battery. Other VRLAs include the Exide AGM200 for Bradleys and route clearance vehicles, the DEKA 34/78 used with objective gunner protection kits, and Optima batteries that are used with generators. (For more about VRLA batteries, see page 61.) The question is, can you tell when your VRLA battery is unserviceable? Unfortunately, some mechanics either don't know how or they aren't checking VRLA batteries for serviceability. Tests on recent turn-ins of "unserviceable" VRLA batteries show that many of them are still serviceable! So save your unit the cost of new batteries by testing the old ones when you think they could be bad. Turn in used batteries only when testing shows they really *are* unserviceable.



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) 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.

MADE IN THE USA
Pulse Tech
1-800-960-7554

MBT, NSN 6130-01-463-8499

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

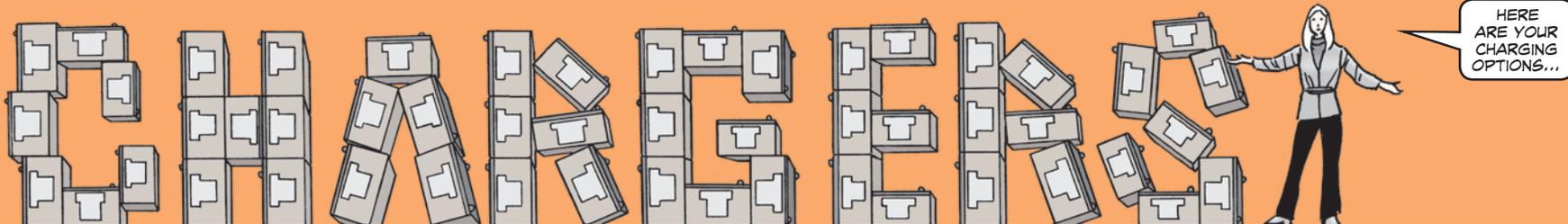
But the PT 490 can't analyze the condition of a battery pack if it is connected in parallel. Use the Midtronic MDX 700P HD conductance tester.

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

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. THEN YOU CAN CORRECTLY USE THEM.

BATTERIES SHOULD BE FULLY CHARGED BEFORE PUTTING THEM INTO SERVICE. BATTERIES MUST BE RECHARGED AFTER REMOVAL IF YOU'RE GOING TO STORE THEM. YOU DON'T HAVE TO RECHARGE THE BATTERIES IF THEY ARE HEADED TO DRMO.

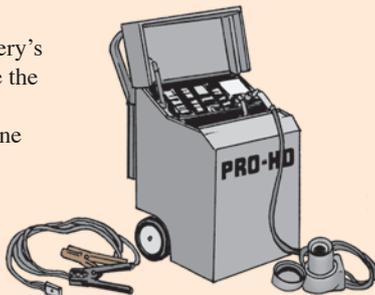




The Pro-4HD charger automatically selects 12 or 24 volts. It senses the battery's condition and provides only the voltage the battery can accept.

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

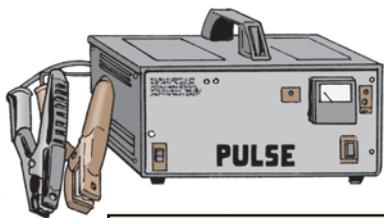
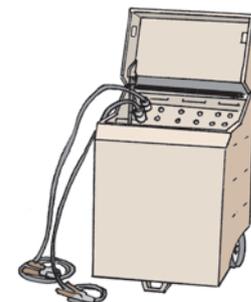
Pro-4HD charger, NSN 6130-01-500-3401



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

Each charging station on the charger works independently of each other. 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 when they're not on 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 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 MATERIALS**, SO MAKE SURE YOU FOLLOW HAZARDOUS MATERIALS DISPOSAL PROCEDURES OUTLINED BY THE TECH MANUAL AND STATE, FEDERAL AND LOCAL HOST NATION'S 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>

YOU CAN ALSO CONTACT LTC FLOYD CROCKER FOR ASSISTANCE. CALL HIM AT 703-697-0556, DSN 227-0556, OR E-MAIL HIM:

william.crocker@us.army.mil

