

Non-rechargeable Batteries...

The ZINC-AIR CHOICE

YOU MEAN I HAVE A CHOICE!?



Your patience and your endurance can be stretched to the limit by hauling all the batteries you need for extended missions. A zinc-air battery, BA-8180/U, NSN 6135-01-500-0572, can reduce the number of BA-5590s, BB-390s and BB-2590s you need to haul.

For example, one non-rechargeable zinc-air connected to a reusable interface adapter can replace up to five BA-5590s.



SEVEN INTERFACE ADAPTERS LET THE ZINC-AIR BA-8180/U POWER MANY PIECES OF EQUIPMENT.

HERE ARE THE AVAILABLE ADAPTERS AND THE EQUIPMENT THEY POWER...

- J-6632/U, NSN 5940-01-504-3217, battery eliminator adapter
- J-6633/U, NSN 5940-01-504-3218, powers the ASIP AN/PRC-119F
- J-6634/U, NSN 5940-01-504-5597, powers the non-ASIP AN/PRC-119
- J-6685/U, NSN 5940-01-516-9785, powers the M22 chemical alarm
- J-6686/U, NSN 5940-01-517-3990, powers the MBITR AN/PRC-148
- J-6687/U, NSN 5940-01-516-9787, powers SATCOM radios AN/PRC-117/150 and AN/PSC-5
- J-6688/U, NSN 5940-01-517-1026, powers the Javelin CLU

The zinc-air battery is made of two 12-volt strings which will provide 56 Amp-hours (Ah) or will provide 27Ah at 24 volts.

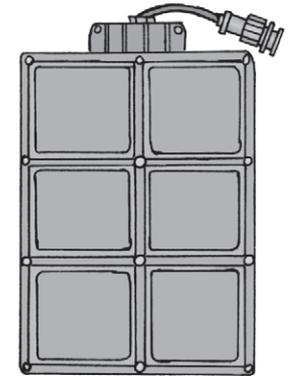
Another zinc-air battery, BA-8140/U, NSN 6135-01-517-0952, is also available to power the MIBTR—AN/PRC-148—radio with adapter J-6686/U, NSN 5940-01-517-3990. The BA-8140 is half the size and weight of the BA-8180/U and is only 12 volts. It cannot be used in 24-volt systems.

For more info on this new battery, check out the CECOM LCMC website:

<https://lrteams.monmouth.army.mil/ipm>

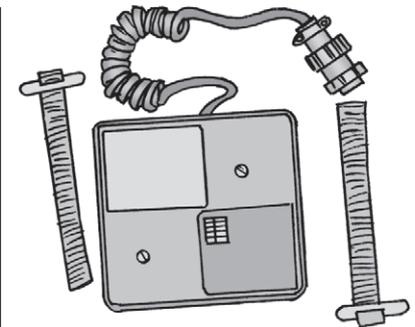
BA-8180/U non-rechargeable zinc-air battery, NSN 6135-01-500-0572

This BA-8180/U is a 12/24 volt, 800 watt-hour, 56Ah primary (non-rechargeable) zinc-air battery pack. The bottom line: One 6-lb. BA-8180/U connected to a reusable interface adapter can replace up to 5 BA-5590s for extended missions. Example: 7 days in an AN/PRC-119F, 20 hours in JAVELIN CLU (surveillance mode only), 5 days in older AN/PRC-119B. Re-supply is reduced, spare battery "dead" weight on your back is reduced and impact on unit's budget is reduced. Save your BA-5590s, BB-390s or BB-2590s for shorter 12-36 hour missions.



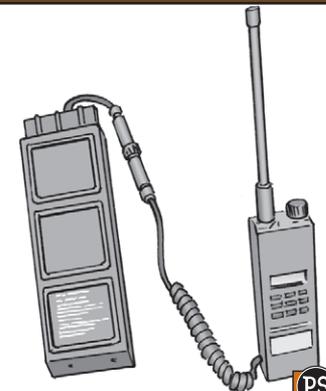
BA-8140/U non-rechargeable zinc-air battery, NSN 6135-01-517-0952

This BA-8140/U is a 12 volt, 400 watt-hour, 28Ah primary (non-rechargeable) zinc-air battery pack. The bottom line: One 3-lb. BA-8180/U connected to a reusable MBITR interface adapter can significantly increase mission run times. MBITR rechargeables should run 8 hours, but many units have not upgraded their MBITR batteries (they should) for short missions. The BA-8140 takes the worry about dead batteries off your back. Use the rechargeable as a back-up for the long missions.



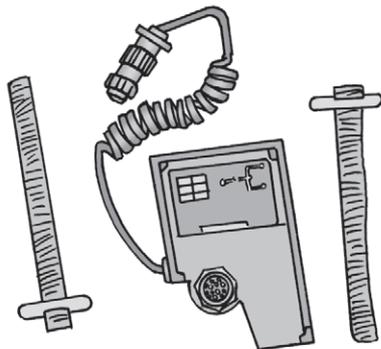
Adaptors for BA-8180 zinc-air battery J-6632/U DPEI BA-5590 battery eliminator adaptor, NSN 5940-01-504-3217

This interface adaptor provides compatibility between the BA-8180/U zinc-air battery and various items of military equipment. The BA-8180/U is a 12/24 volt 800 watt-hour, 56Ah primary (nonrechargeable) zinc-air battery pack.



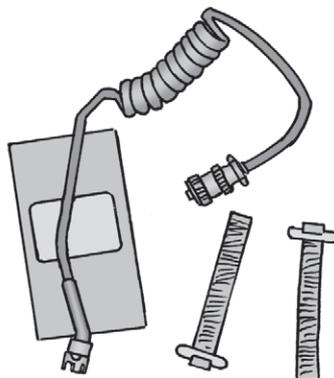
**Operating instructions for
J-6633/U 119 FEI ASIP (119 F)
adaptor, NSN 5940-01-504-3218**

Remove existing battery. Close cover. Connect the adaptor to SINGGARS (ASIP). Connect black connector of the adaptor to a BA-8180/U and operate the radio. To save battery power, disconnect adaptor from battery when radio is not in use.



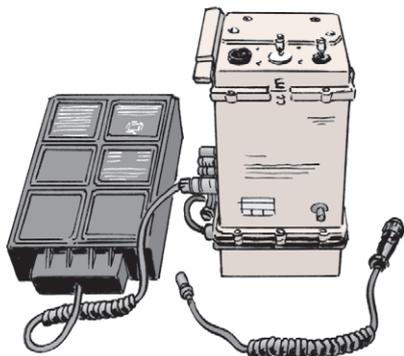
**J-6634/U SINGGARS 119 B adaptor
for BA-8180 zinc-air battery,
NSN 5940-01-504-5597**

This interface adaptor provides compatibility between the BA-8180/U zinc-air battery and the AN/PRC-119, SINGGARS (non-ASIP version) radio. The BA-8180/U is a 12/24 volt, 800 watt-hour, 56Ah primary (non-rechargeable) zinc-air battery pack. One 6-lb BA-8180/U connected to this reusable interface adaptor can replace up to 5 BA-5590s for extended missions, up to 5 days in AN/PRC-119B. Resupply is reduced, spare battery "dead" weight on your back is reduced and impact on unit's budget is reduced.



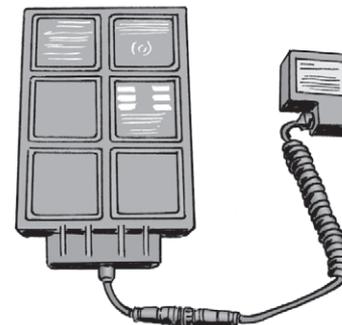
**J-6885/U M22 ACADA adaptor,
NSN 5940-01-516-9785**

This interface adaptor should be with every M22 chemical alarm to ensure alternative power and may in fact become your primary power source. One 6-lb BA-8180/U connected to this reusable interface adaptor can run the M22 for 2 days. That could be four fewer trips to the remotely placed chemical alarm to replace standard batteries and less chance of getting hit by enemy fire. Resupply is reduced, spare battery weight and volume reduced and frees the supply train up for other critically needed supplies. Your BA-5590s and other 90 type of batteries can be used for more mobile missions.



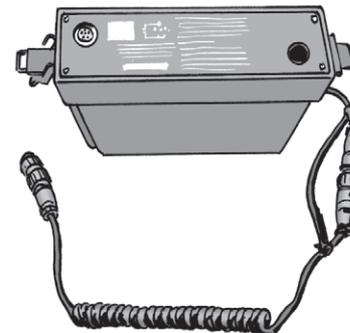
**J-6686/U MBITR AN/PRC-148 adaptor,
NSN 5940-01-517-3990**

This interface adaptor provides the compatibility to power the AN/PRC-148, MBITR hand held radio with the BA-8140/U or BA-8180/U zinc-air batteries. The BA-8140/U is a 12 Volt, 400 watt hour, 28Ah primary (non-rechargeable) zinc-air battery pack. One 3-lb BA-8140/U and this reusable interface adaptor can run the MIBITR up to 5 days. The adapter also includes a "90" adapter which allows use with other standard Army radio batteries. This will allow you to run the MBITR with any 5590 type of battery like: BA-5590, BA-5390, BB-2590, & BB-390.



**J-6687/U adaptor for SATCOM radios &
other 24 volt radio systems
NSN 5940-01-516-9787**

This interface adaptor and the BA-8180/U zinc-air battery provides the compatibility to power the AN/PRC-117, AN/PRC-150, AN/PSC-5 and other 24 volt radios systems that typically use two BA-5590 batteries to operate. The BA-8180/U is a 12/24 volt, 800 watt-hour, 56Ah primary (non-rechargeable) zinc-air battery pack. One 6-lb BA-8180/U connected to this reusable interface adaptor can replace multi BA-5590s and run for 4-6 days. Resupply is reduced, spare battery "dead" weight on your back is reduced and impact on unit's budget is reduced.



**J-6688/U JAVELIN CLU adaptor,
NSN 5940-01-517-1026**

Using the Javelin CLU for surveillance missions? Dragging tons of batteries to the mountain top? Reduce your battery load with this interface adaptor and the BA-8180/U zinc-air battery. The BA-8180/U is a 12/24 volt, 800 watt-hour, 56Ah primary (non-rechargeable) zinc-air battery pack will run the LCU for 12-14 hours, six times longer than a BA-5590. This reusable interface adaptor and two BA-8180s can replace up to 10 A-5590s for one day extended mission. Resupply is reduced and spare battery "dead" weight on your back is reduced.

