

COC

Conservation of Signal Corps Dry Batteries BA-30, BA-37, BA-38,  
BA-42, and BA-58:

1. Useful life of these batteries can be prolonged considerably by frequent cleaning of end of the zinc case which received the contact spring. All troops using these batteries are directed to examine contacts each time a battery is installed in, or removed from, the item of equipment in which it is used. All batteries will be examined at least semi-monthly. When, on examination, corrosion is found on the zinc surface as indicated by a dull white surface or by a deposit of white powder, it will be cleaned. This cleaning is accomplished by scraping with a knife and polishing with fine sandpaper. Care must be taken not to gouge the zinc.

Signal Corps equipment maintenance - (Lubrication and care of  
hand driven generators for radio sets:

1. A large number of bearing failures have occurred on hand driven generators which are attributable to the following:

- a. Improper lubrication.
- b. Unskilled re-assembly after inspection and rebuild.
- c. Loading generators before up to full speed.

2. All personnel are directed to use clean lubricants of U.S Army or ordnance types as follows:

a. For temperatures ABOVE 32°F use U.S. Army 2-108 amend. 1, Grease general purpose No. 2.

b. For temperatures CONTINUOUSLY BELOW 32°F use Ordnance Department, U.S. Army tentative spec. Grease, AXS-637 Rev I.

These lubricants are all purpose greases and will be used, when available, in preference to those recommended in Technical Manuals and/or manufacturers service instructions.

3. Proper PREVENTIVE MAINTENANCE procedure by trained personnel is to remove gear housing and diamond shaped plates on either end of the generator and then proceed as follows:

a. Examine amount and condition of grease. During the summer in temperate zones or warm climates, it is essential that this inspection be made every ninety (90) days and under other conditions to follow maintenance instructions in the manual covering radio set and its generator.

b. If grease has a normal appearance, add lubricant recommended in paragraph b above where needed. CAUTION should be exercised not to give bearings more than they naturally will



hold since too much grease is as bad as none.

c. If grease is badly caked, contains metallic particles, or is exceedingly dirty, send generator to a 3d echelon repair unit or depot for overhaul.

d. Use SKILL rather than FORCE when reassembling gears and housing.

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