

FIRST CLASS MAIL

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Temporary Memorandum
Western Electric Company, Incorporated
Installation Engineering - Kearny

T.M. 8.65

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INSTALLING STORAGE BATTERIES

KS-5562 FLOOR MOUNTED CELLS MANUFACTURED BY EXIDE

1. GENERAL

1.1 It has been called to our attention that KS-5562 Floor Mounted Cells manufactured by the Electric Storage Battery Company (EXIDE) are being shipped with petrolatum on the battery posts instead of NO-OX-ID compound. Although petrolatum protects the posts from contamination during shipment, it will have to be removed and replaced with R-3266 NO-OX-ID "A" Compound before electrical connections are made.

2. BACKGROUND

2.1 NO-OX-ID "A" protective compound for batteries was introduced for general use in 1957 and factory application was self evident to the installer.

2.2 Using petrolatum for making electrical connections to battery posts and for coating battery posts is beneficial; in fact, at one time petrolatum was standard for this purpose. One improvement in changing to NO-OX-ID "A" was the higher temperature at which it melted.

2.3 The Exide factory assembles Bell System floor mounted cells in the same physical area as submarine type cells for the government. The government specifications require petrolatum on the posts. With no specific reference to a protective compound in the Bell System KS specification, these Bell System cells were also treated with petrolatum.

3. TOOLS AND SUPPLIES

3.1 Heavy grade paper towels or clean disposable cloths. (A good disposable cloth may be obtained through the distributing house from Chicopee Mills, Inc., 1450 Broadway, New York City, N.Y. 10018).

4. CORRECTIVE ACTION

4.1 Affected are all Exide KS-5562 cells shipped before December 1, 1966 and not yet permanently interconnected into a string. Petrolatum shall be removed from the post area only, and R-3266 NO-OX-ID "A" Compound applied.

4.11 The grooved gland nut, (threaded ring around the base of the post and resting against the cover) is properly filled and coated with NO-OX-ID compound and shall not be disturbed.

4.12 Petrolatum similar to RM-647651, can be easily identified by its thin consistency and light amber color while NO-OX-ID compound has a high viscosity and is dark in color.

4.13 Using a dry cleaning cloth or towel, wipe all petrolatum from the post area. It is not necessary to deliberately clean out the holes in the posts. Do not use any solvents or chemical cleaning aids.

4.14 Apply a thin film of clean R-3266 NO-OX-ID "A" Compound to the entire post.

5. DISPOSITION OF EXPENSE

5.1 If the amount of work involved in performing the above operations is sufficient to meet the requirements of SDI-4-7326, it shall be reported on SD-1007, J.I.M. for issuance of a Type "X" supplementary estimate in the "X-40" category.

Manager, Product Engineering

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