

INSTALLING STORAGE BATTERIES

VERIFICATION

1. SCOPE

1.1 This section provides a list of verification items for the sections in the 17 series covering the installation of storage batteries. The paragraphs and/or figure numbers covering the requirement are shown following the item listed.

2. GENERAL, RECEIVING, INSPECTING AND CLEANING 17A

2.1 Cells of different manufacture not placed in the same string. 3.3.

2.2 Cells of different grid material not placed in the same string. 3.3.

2.3 Cells of different ampere-hour capacity, KS and List number, or number of plates not placed in the same string. 3.31.

2.4 Storage Battery Report furnished for each new battery installed. 5 NOTE.

3. SUPPORTS 17B

3.1 Cells, batteries and battery supports located in accordance with job information. 3.1, 4.1.

3.2 Battery supports plumb. 3.1, 4.1.

3.3 Shelves on stands and racks level to within 1/8". 4.1.

3.4 Paint marred, corroded or scratched surfaces of battery supports and adjoining parts. 3.1 and 4.5.

4. RACK MOUNTED 17C

4.1 Cells not touching. 11.31.

4.2 Center cells on shelf. 11.4.

4.3 Minimum of 3/4" between rows of cells. 11.4.

4.4 Edges of cells in alignment. 11.4. ←

5. FLOOR MOUNTED 17D

5.1 Installed in accordance with job information. 4.1.

5.2 Recording electrolyte level. 7.3.

5.3 Clean & neutralize spilled electrolyte. 8.4.

5.4 Terminal alignment within ±1/16" for each cell. 9.02.

5.5 Terminal alignment within ±1/4" for line of cells. 9.02.

5.6 Each cell approximately level. 9.02.

5.7 Cells do not touch. 9.03.

5.8 Spacing between rows at least 3". 9.04.

5.9 Maximum of 1/8" shimming permitted. 9.171.

6. CONNECTING 17E

6.1 Cell container free of electrolyte. 3.1.

6.2 Batteries hooked to plant only when ready to charge. 4.12.

6.3 All battery connections shall be tight. 5.1, 6.1.

6.4 Insure that all battery posts to which mechanical connections are made are coated with NO-OX-ID compound. 5.5.

7. ACCESSORIES 17F

7.01 Turn over to telephone company all shipping plugs not reused. 3.6.

7.02 Wash removable ceramic vents on 100 A.H. cells & smaller. 4.4.

7.03 Ceramic vents secure. 4.5.

7.04 Install vents and reused shipping plugs as spray caps where required. 4.5.

7.05 Avoid paint or grease on ceramic vents. 4.6.

7.06 Proper funnels used in lead calcium cells. 5.2.

7.07 Install filling funnels and reused shipping plugs as spray caps where required. 5.4.

7.08 Install electrolyte level indicators. 6.8.

7.09 Mount hydrometer holder. 8.5.

7.10 Install thermometer in permanent pilot cell. 9.3.

→ Arrowed lines indicate new or changed information.

Manager, Product Engineering

Reason for Reissue:
To correct references.

Replaces Section 17V dated 4-18-68.
Printed in U.S.A.