

GENERAL

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1. GENERAL INFORMATION

1.1 This section contains miscellaneous and general information applying to power machines and apparatus as covered in this handbook.

1.2 The latest issue of the "Table of Contents" of this handbook is listed in the Check List of Handbook 0.

1.3 The methods in this handbook are to be applied as outlined in Handbook 0.

1.4 In general, methods and associated requirement sections are provided for power machines and apparatus which have general application. Methods and requirements are not included in this handbook for certain apparatus which is installed in rather limited quantities. In the latter case, the requirements BSP's, if published, are listed in Section 1F of Handbook 0. These may be obtained from the telephone company on a loan basis or requisitioned in accordance with the Job Clerical Handbook.

1.5 Replacement parts information is sometimes required on a product covered by the 401 BSP series. This is usually found in the corresponding 501 BSP series. For instance, BSP A401.235 gives apparatus requirements and adjusting procedures for KS-5574-01 General Motors Corp. diesel engine-alternators and BSP A501.235 gives the replacement parts and procedures information for the same engines. The 501 BSP series are listed in Section 1F of Handbook 0. They may be available on a loan basis from the telephone company or requisitioned in accordance with the Job Clerical Handbook.

2. D.S. INSPECTION

2.1 Certain power apparatus and equipment furnished by outside manufacturers are received on the job by direct shipment from the supplier's factory. D.S. Inspection should be made as soon as practicable after this equipment is received on the job. Normally this should be a visual examination for damaged or missing parts and to insure that it conforms to what is specified. Specific items to be checked are usually listed under the D.S. Inspection heading in the individual sections.

3. CAUTIONS

3.1 When a fuse is removed or switch is opened in a live circuit in order to work on the circuit, it is advisable to cover the fuse clips with insulating material, or to secure the switch in an open position to prevent the circuit from being accidentally closed while being worked on. In addition to these measures, a warning tag, ID-1270-A, should be placed on the fuse or switch, and removed only by the person responsible for the operation. See Figure 1.

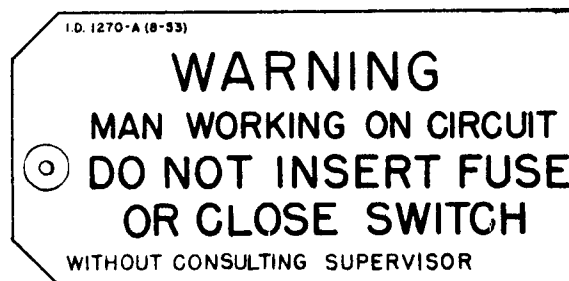


FIG. 1 ID-1270-A - WARNING TAG (RED TAG - BLACK LETTERS) (Par. 3.1)

3.2 The fuse should be replaced, or the switch closed by the person responsible for the operation after it is determined that it is safe to do so.

3.3 Cover tools such as screwdrivers and wrenches with tape or other approved insulating material in such a way as to reduce likelihood of short circuits to a minimum.

3.4 A rubber mat may be used to advantage as a means of protection against hazards of electrical shock on concrete or damp floors while performing work on or near live equipment.

3.5 Observe precautions listed in Handbook 0.

3.6 Additional cautions are listed in individual sections in this handbook.

4. RHEOSTAT ARM LOCKING RODS

4.1 Where the installation of rheostats is referred to in sections in this handbook, rheostat arm adjustment may be required. In this case access to the rheostat arm locking rod may be difficult and this locking arm may be relocated to provide a ready access to the slotted end of the rod. This can be done by moving the rod guide detail to a similar position under another leg on the rheostat.

5. GREASES, OILS AND CLEANING FLUIDS

→ 5.1 Section 1A which is essentially a copy of BSP 065-330-101 is a list of greases, oils and cleaning fluids used in Telephone Central Offices, including those used on power plants.

5.2 The individual requirement sections in this handbook generally refer to greases, oils and cleaning fluids which are to be used by the group name. If the individual requirement section does not specify the lubricant by name, refer to the list in Section 1A.

5.3 Some of the greases, oils and cleaning fluids listed in Section 1A, have been assigned RM numbers and are listed in Handbook 250 (Catalog of Supplies) because they are the ones frequently used.

→ 6. RECORDS

6.1 Test, maintenance, and battery charge information should be recorded on the following forms:

ID-946 Engine Alternator Test Record
ID-1275 Lubrication Record
ID-1285 Storage Battery Report
ID-1313 Test Trouble Record
→ ID-1315 Summary of Tests

→ Arrowed lines indicate new or changed information.

7. VERIFICATION

7.1 For information on the verification plan for apparatus in a power plant, see Verification Handbook 35.

7.2 Vertical lines at the side of paragraphs in this handbook indicate requirements that must be verified.

7.3 When requirements are not included in the handbook and it is necessary to obtain a BSP as covered in Paragraph 1.4, the requirements listed in the BSP shall be verified. Where not BSP requirements are available (See Section 1F of Handbook 0) verify workmanship items and circuit requirement table items.

7.4 The verification of the apparatus covered by this section may be made any time before turnover provided that it is not made until after all operations have been performed which may affect the apparatus adjustment.

7.5 Verification reports covering the verification specified in this handbook shall be prepared on ID-836

7.6 Verification reports shall be distributed in accordance with the Job Clerical Handbook.

R. W. HILLEGAS

Superintendent, Installation Engineering

Reason for Reissue:

To include information on test records.

Replaces Section 1 dated 6-20-57.