HELL PRINTER

OPERATING AND MAINTENANCE INSTRUCTIONS

OFFICE OF THE ENGINEER IN CHIEF
P.O. ENGINEERING DEPARTMENT
(RADIO BRANCH)
LONDON, E.C.1.
1. Scope of Instruction. This instruction contains general information to facilitate identification of the Hall Printers Nos. 1 and 1/T, describes the procedure for obtaining spare parts required for maintenance replacements and details the basis upon which such parts are to be held at Maintenance Centres. Lists of the individual components of the various assemblies on the machines are contained in M 9928 (Tg) to M 9929 (Tg), respectively.

2. General. The two machines are mechanically identical but certain components of the Hall Printer No. 1/T are finished for use in tropical climates. Certain machines, however, of early manufacture, designated Mark 1, differ somewhat in design from those produced at a later date and designated Mark 2. The majority of Mark 1 parts are identical with Mark 2 parts; those which are different or additional are indicated.

3. Serial Machine Numbers. So that the various types of machine may be readily identified, the following information regarding serial numbers is given:

   Serial Nos. 1 to 3 and No. 43, which are of German origin, or are obsolete models, are not covered by this instruction.

4. Tropical Finish. The components of Hall Printers Nos. 1/T which require to be specially treated for use in tropical climates are indicated on the separate Parts Lists for the benefit of non-R.O. users of the equipment. Such components supplied by the Stores Department will not normally be tropically finished and no action should be taken to have them so treated for P.O. machines, which will, of course be used in this country.

5. Requisitioning and availability of parts. Requisitions should be forwarded to the Stores Dept., St. Mund Street Depot.

On requisitions parts should be described, typically, as follows:

   Hall Printer No. 1 - Part B 18.

The serial numbers of the machines for which parts are required should be quoted on all requisitions. Parts comprising items in a set are indicated in the parts lists for convenience of reference; such parts should not, however, be requisitioned as sets but as individual items. Thus a set of Magnet Coils should be requisitioned as "2 Parts B23".

6. Abnormal issues and defective parts.

(a) Abnormal wear and breakages. It is important that, if the issue of any part indicates an abnormal tendency to wear or breakage, the facts should be reported to the E.-in-C. (Tg.1); samples of faulty parts should be enclosed with the report.

(b) Defective parts, (as tested). If new parts are received which are not readily interchangeable with existing parts due, for example, to inaccurate dimensions, the facts should be reported to the E.-in-C. (Tg.1) and samples should be enclosed with the report.

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7. **Maintenance-exchange items.** Certain parts which may be repairable are shown in the separate parts lists. These parts should not be used where worn, broken or worn, but should be replaced under maintenance-exchange procedure.

8. **Stocks of spare parts to be held at maintenance centres.** The following stocks should be held:

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 10</td>
<td>Printing wheel (7 litre)</td>
<td>1 per machine</td>
</tr>
<tr>
<td>8 8</td>
<td>Governor slip-ring drum</td>
<td>1 per Mark 8 machine</td>
</tr>
<tr>
<td>5 6</td>
<td>Water drum</td>
<td>2 per machines</td>
</tr>
<tr>
<td>5 8</td>
<td>Fase, 1 - expt</td>
<td>4 per machine</td>
</tr>
<tr>
<td>2 200</td>
<td>Governor clutch</td>
<td>2 per Mark 1 machine</td>
</tr>
</tbody>
</table>

Reference: M 9572 (Tg) to M 9509 (Tg)  
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