

R E S T R I C T E D

ELECTRICAL AND MECHANICAL
ENGINEERING REGULATIONS
(By Command of the Army Council)

TELECOMMUNICATIONS
A 504

REPLACEMENT OF CAPACITORS IN ARMY ELECTRONIC EQUIPMENT

Errata

Note: These Pages 0 and 01 will be filed immediately in front of Page 1, Issue 1 dated 20 Jul 56.

1. The following amendments will be made to the regulation:

2. Page 1,

(a) Title, line 2,

Delete: 'Capacitors held in Inter-Service group 117'

(b) Para 1, lines 1 to 5,

Delete all detail

Insert: 'It has been found that tubular capacitors with cardboard cases are unsatisfactory. These capacitors will be replaced, where found in Army electronic equipment, by tubular capacitors having metal cases.'

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(c) Para 3(a), sub-para (i),

Delete all detail

Insert: 'Carry out the detail of this regulation on all electronic equipments undergoing base overhaul.'

(d) Para 5, after sub-para (a),

Insert: '(To be demanded under the part number of the capacitor removed. A suitable replacement metal-cased capacitor will be issued automatically.)'

(e) Para 6, line 5,

Delete: 'held in Inter-service Group 116,'

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REPLACEMENT OF CAPACITORS IN ARMY ELECTRONIC EQUIPMENT

(Capacitors held in Inter-Service group 117)
SUMMARY *It has been found that tubular capacitors with cardboard cases are unsatisfactory. These capacitors will be replaced where found in Army electronic equipment by tubular capacitors having metal cases.*

1. ~~It has been found that Capacitors, paper dielectric, cylindrical, insulated, (insulated tube) which are held in Inter-service Group 117 are unsatisfactory and unreliable. These capacitors will be replaced in Army electronic equipment by tubular metallic types ie Capacitors, paper dielectric, cylindrical metal (metal tube) which are held in Inter-service Group 115.~~

Time required to complete modification. This will depend on the number of capacitors in the equipment, their location, and any re-alignment that may be necessary.

2. Item affected:-

Army electronic equipment

3. Action by:-

(a) REME base workshops:-

(i) Carry out the detail of this regulation on all electronic equipments undergoing base overhaul.
~~(ii) Inter-service Group 117 capacitors will be removed from all equipments in the course of base overhaul and replaced by capacitors of Inter-service Group 115.~~

4. Priority:- 'C' (ACI 96/54) refers.

5. Stores required:-

(a) Capacitors, paper dielectric, cylindrical metal, (metal tube).
(to be denoted under the part number of the capacitor removed, suitable replacement metal cased capacitor will be issued automatically.)
(b) WB 3610 Polythene sheet, 0.010 in. (5.3/8 in. x 3 in.) - as required.

DETAIL

6. Examine electronic equipment and unsolder and remove any capacitors, paper dielectric, cylindrical insulated (insulated tube). The term 'insulated tube' covers bakelised paper or fibre, paxolin and similar materials. This type of capacitor is usually referred to in conversation as 'cardboard cased'. It does not include the category of capacitor held in Inter-service Group 116, which uses a pre-moulded bakelite or plastic case.

7. Replace the capacitors removed by their metal cased equivalents.

8. In certain cases the metal cased capacitors are slightly larger than their 'cardboard cased' equivalents and a certain amount of improvisation and re-arrangement in fitting components may be necessary. Furthermore it will, in some cases, be essential to insulate capacitors with a suitable insulating material such as polythene sheet.

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END

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