

1 TYPE BUZZERS REQUIREMENTS AND ADJUSTING PROCEDURES

1. GENERAL

1.01 This section covers 1 Type Buzzers and replaces X-70038-01, Issue 1.

1.02 Reference shall be made to section 020-010-711, covering General Requirements and Definitions for additional information necessary for the proper

application of the requirements listed herein.

1.03 Part 1 "General" and Part 2, "Requirements" form part of the Western Electric Co. Inc. Installation Department Handbook.

2. REQUIREMENTS

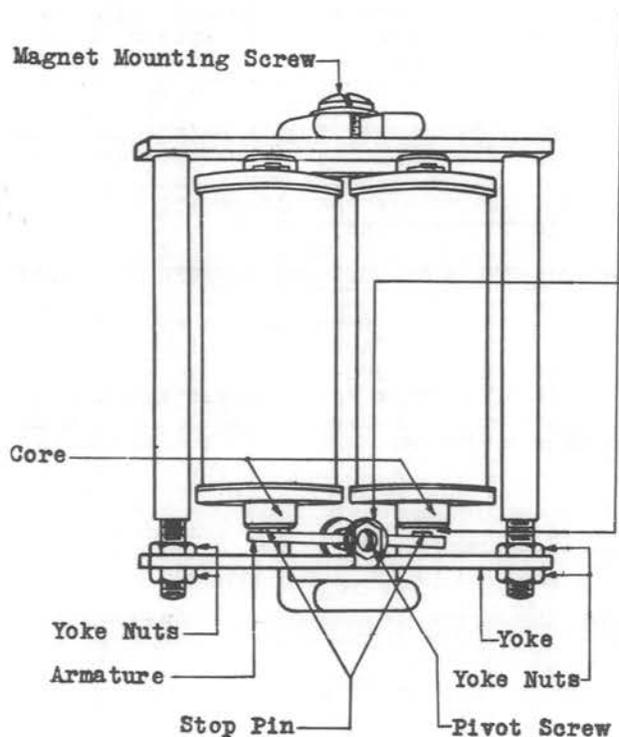


Fig. 1

2.01 Armature Air-gap With the armature stop pin resting against the core on one side, the gap between the armature stop pin and core on the opposite side shall be:
Min. .030"
Max. .035"
Use the No. 66-C gauge.

2.02 Armature Movement The armature shall be just loose enough in its pivots to prevent binding.

2.03 Operation Test The armature shall vibrate steadily on the 16-2/3 cycle or 20 cycle ringing current supply when the buzzer is connected in the circuit in which it is used.

2.04 Tightness of Nuts and Screws All nuts and screws shall be sufficiently tight to maintain their adjusted position.

REASON FOR ISSUE COVERING CHANGES IN REQUIREMENTS

1. To add a requirement covering "Tightness of Nuts and Screws" (2.04).

3. ADJUSTING PROCEDURESTOOLS

<u>Code No.</u>	<u>Description</u>
388-A (or the replaced 43)	Wrench 3/16" and 1/4" Hex. Open-end Offset
48	Wrench - 7/32" and 1/4" Hex. Socket Double-end and Screw-driver
-	Bell System Regular Screw-driver - 4" per A. T. & T. Drawing 46-X-34

GAUGES

66-C (or the replaced 66-B)	Thickness Gauge Nest
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3.01 ARMATURE AIR-GAP (Rq.2.01)

M-1 If it is found necessary to readjust the armature air-gap, loosen the yoke nuts with a No. 388-A or a No. 48 wrench and move the yoke up or down until the required gap is obtained. Gauge this gap with the proper blade of a No. 66-C feeler gauge.

M-2 An effort should be made in making this adjustment to move each side of the yoke equal amounts.

M-3 After the required gap has been obtained tighten the yoke nuts as required against the yoke in its new position.

3.02 ARMATURE MOVEMENT (Rq.2.02)

M-1 If the armature binds in its bearings or if there is too much play loosen or tighten up the outside pivot screw as required using a No. 48 socket wrench.

3.03 OPERATION TEST (Rq.2.03)

M-1 To check a buzzer for operation close the circuit in which it normally operates and note that the armature vibrates steadily and that it supplies a clear tone.

M-2 To readjust a buzzer which does not operate correctly, check the armature gap and the armature movement as specified in paragraphs 2.01 and 2.02. If these adjustments are as specified and the buzzer still does not function properly, alter the armature gap slightly either increasing or decreasing it as required. Also check to see that the armature gap at each pole-piece is approximately the same. To correct for any of these conditions see paragraph 3.01 for the methods to be followed. If any adjustments of this nature are necessary to make the buzzer operate correctly the armature gap should be rechecked to see that it is within the limits specified.

3.04 TIGHTNESS OF NUTS AND SCREWS (Rq.2.04)

M-1 If it is found that the nuts or screws are loose, tighten them with the No. 388-A or No. 48 wrenches or the 4" regular screw-driver and make a recheck to insure that all other requirements are met.

REASON FOR ISSUE COVERING CHANGES IN ADJUSTING PROCEDURES

1. To revise the procedures to latest form.