

## ADJUSTERS V

### DESCRIPTION

### TOOLS

#### 1. GENERAL

**1.01** This section describes Bell System coded and noncoded adjuster tools within the part or type number range of Automatic Electric Company (AECO) H-7057 through AECO H-47202, R-1760 through R-3159, KS-20929 through KS-21258, and TP-72003.

**1.02** This section is reissued to revise the format and to rate the D-159676 tool Mfr Disc. Since this is a general revision, revision arrows have been omitted.

**1.03** The following is a list of tools that have been Mfr Disc. with their replacements.

TOOLS	REPLACEMENT
D-157398	506B
D-159676	—
D-159890	583A
D-167912	671A
AECO H-7056	AECO H-13398-1
AECO H-14768	597A
AECO H-20777	416B
R-55760	380A
R-63773	379A
R-69710	371

**1.04** See the tool index for other adjuster practices.

#### 2. DESCRIPTION OF TOOLS

**2.01 AECO H-7057:** The AECO H-7057 tool (Fig. 1) is a wiper-shaft aligning wrench used on 197- and 198-type switches.

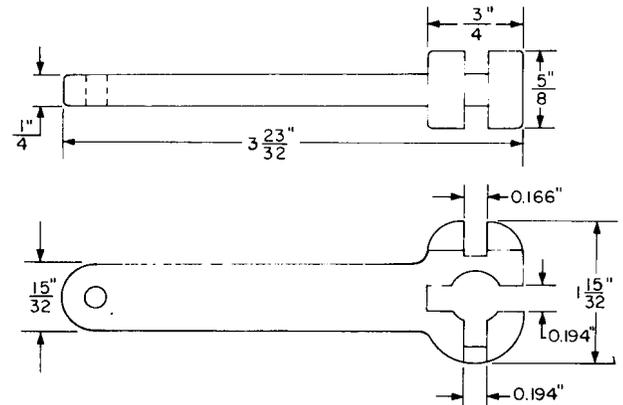


Fig. 1—AECO H-7057 Adjuster Tool

**2.02 AECO H-7066:** The AECO H-7066 tool (Fig. 2) is a spring adjuster used on step-by-step type relays and the 197- and 198-type switches.

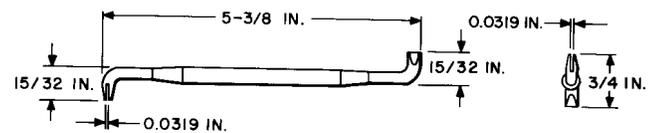


Fig. 2—AECO H-7066 Adjuster Tool

**2.03 AECO H-7067:** The AECO H-7067 tool (Fig. 3) is an adjuster used on 197- and 198-type switches and solenoid-type master switches.

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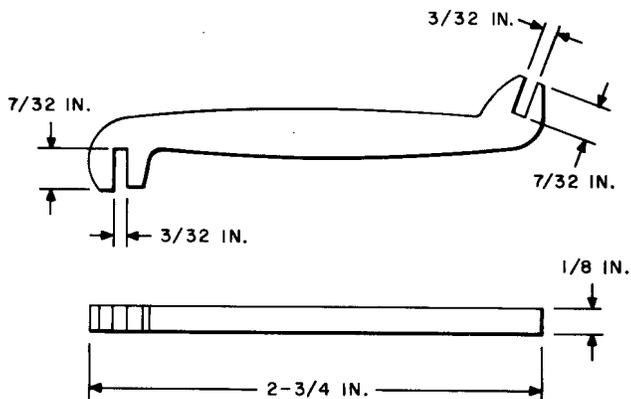


Fig. 3—AECO H-7067 Adjuster Tool

**2.04 AECO H-7068-3:** The AECO H-7068-3 tool (Fig. 4) is a bank contact adjuster used on plunger-type line and out-trunk switches.

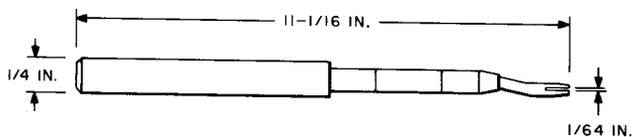


Fig. 4—AECO H-7068-3 Adjuster Tool

**2.05 AECO H-10001-3:** The AECO H-10001-3 tool (Fig. 5) is an adjuster used on plunger-type line and out-trunk switches.

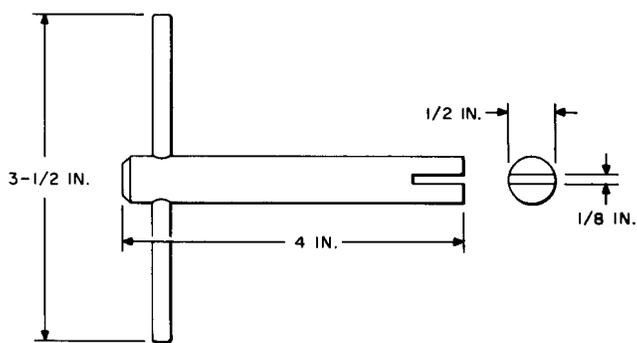


Fig. 5—AECO H-10001-3 Adjuster Tool

**2.06 AECO H-13398-1:** The AECO H-13398-1 tool (Fig. 6) is a vertical armature adjuster used on 197- and 198-type switches. It replaces the AECO H-7056 tool.

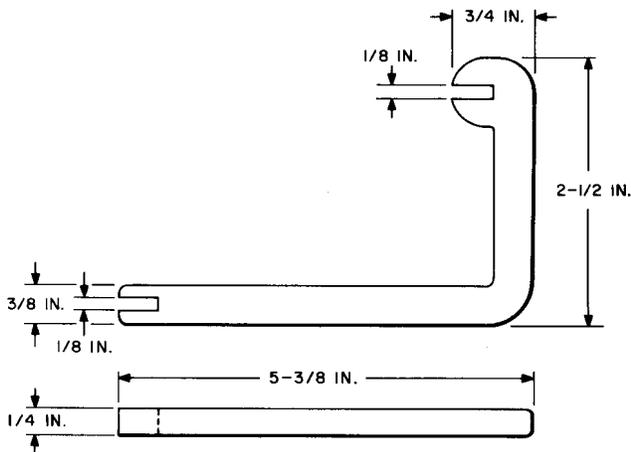


Fig. 6—AECO H-13398-1 Adjuster Tool

**2.07 AECO H-13701:** The AECO H-13701 tool (Fig. 7) is an adjuster used on solenoid-type master switches and plunger-type line and out-trunk switches.

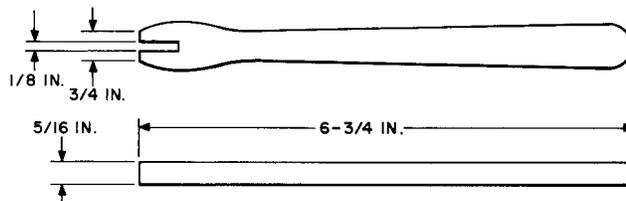


Fig. 7—AECO H-13701 Adjuster Tool

**2.08 AECO H-14769:** The AECO H-14769 tool (Fig. 8) is an armature backstop adjuster used on step-by-step type relays.

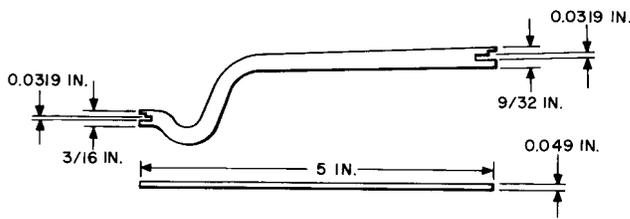


Fig. 8—AECO H-14769 Adjuster Tool

2.09 **AECO H-47202:** The AECO H-47202 tool (Fig. 9) is a cam adjuster used on 197-type switches.

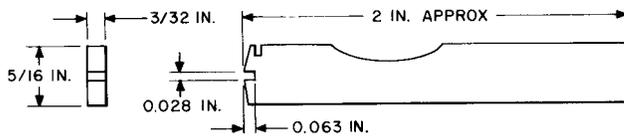


Fig. 9—AECO H-47202 Adjuster Tool

2.10 **R-1760:** The R-1760 adjuster tool (Fig. 10) is used on the 200-, 206-, 209-, and 211-type selectors, 25-point rotary switches, and 1-type translators.

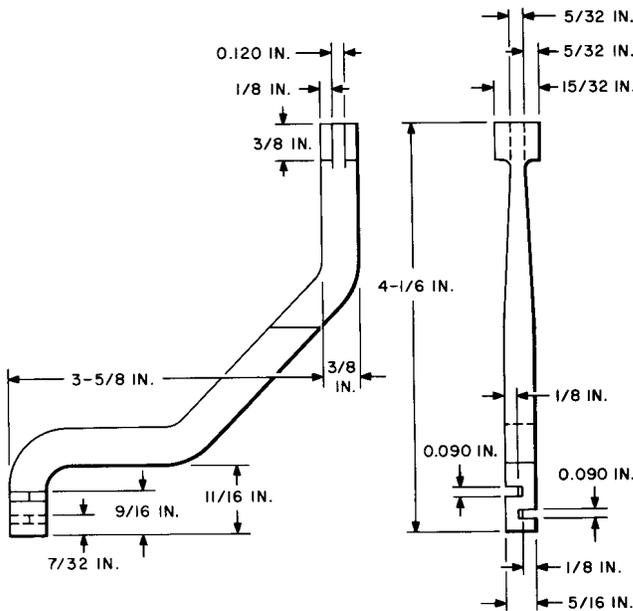


Fig. 10—R-1760 Adjuster Tool

2.11 **R-2142:** The R-2142 adjuster tool (Fig. 11) is used on sequence switches and the 157-type interrupters.

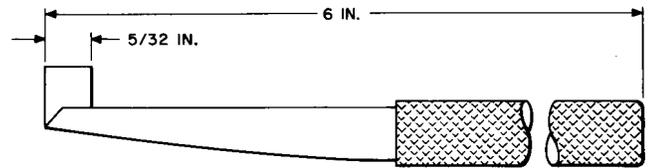


Fig. 11—R-2142 Adjuster Tool

2.12 **R-2753:** The R-2753 adjuster tool (Fig. 12) is used for adjusting cover springs on the AF-, AG-, AJ-, and AK-type relays.

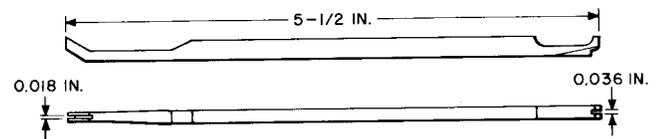


Fig. 12—R-2753 Adjuster Tool

2.13 **R-2830:** The R-2830 adjuster tool (Fig. 13) is used on panel multiple brushes in cases where the 380A tool cannot be used because of brush springs being too wide.

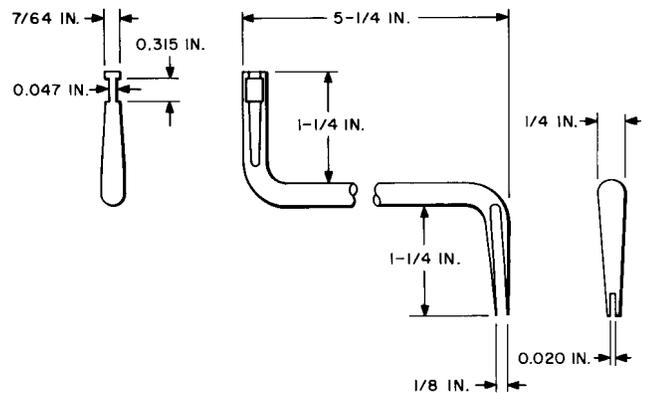


Fig. 13—R-2830 Adjuster Tool

**2.14 R-3159:** The R-3159 adjuster tool (Fig. 14) is used for adjusting normal post springs on the 197-type switches.

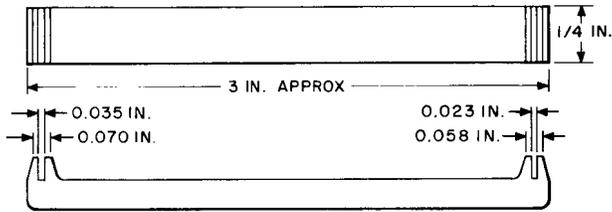


Fig. 14—R-3159 Adjuster Tool

**2.15 KS-20929, L1:** The KS-20929, L1, adjuster tool (Fig. 15) is used for adjusting heavy springs and the armature backstop on the 221 FAE relays. The adjuster replaces the 766A tool.

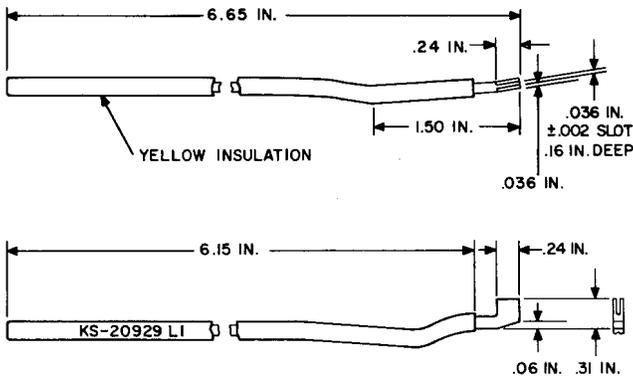


Fig. 15—KS-20929, L1, Adjuster Tool

**2.16 KS-20929, L2:** The KS-20929, L2, adjuster tool (Fig. 16) is used for adjusting heavy springs and the armature backstop on the 221 FAE relays.

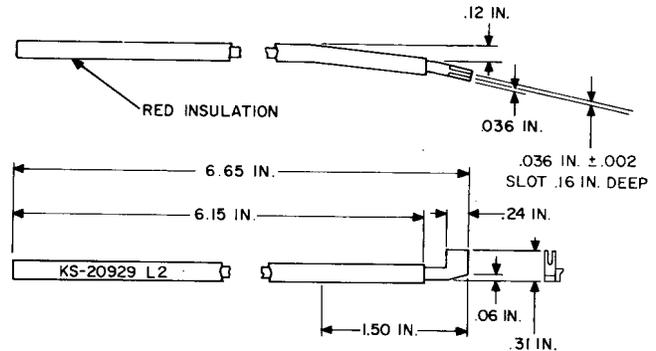


Fig. 16—KS-20929, L2, Adjuster Tool

**2.17 KS-20929, L3:** The KS-20929, L3, adjuster tool (Fig. 17) is used for adjusting the upper and lower springs on the 221 FAE relays. It replaces the 764A and 765A tools.

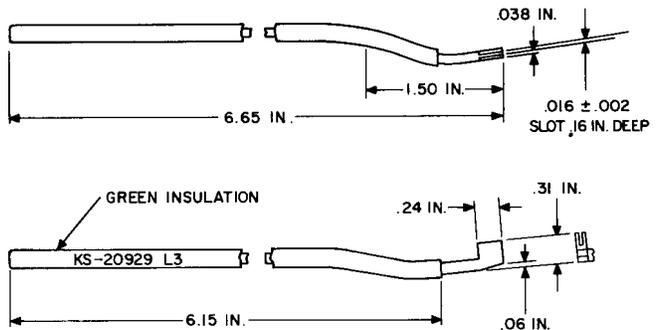
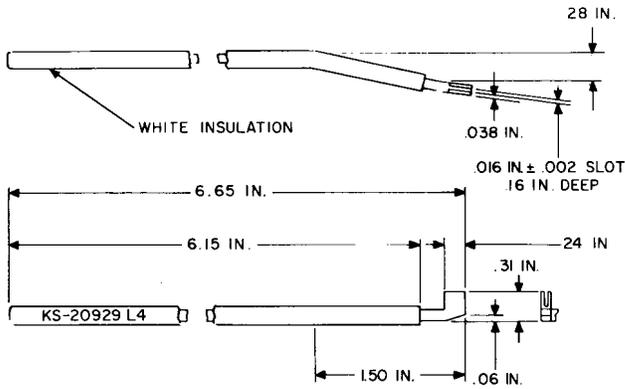


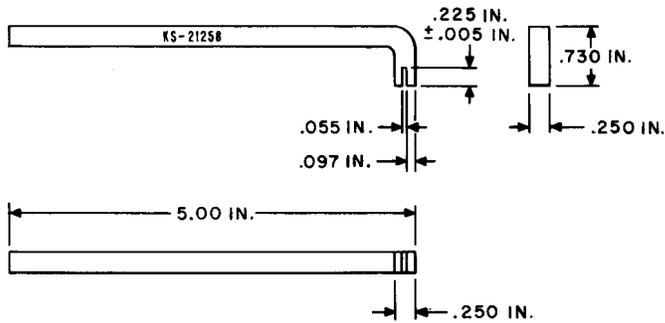
Fig. 17—KS-20929, L3, Adjuster Tool

**2.18 KS-20929, L4:** The KS-20929, L4, adjuster tool (Fig. 18) is used for adjusting the lower springs on the 221 FAE relays. It replaces the 765A tool.



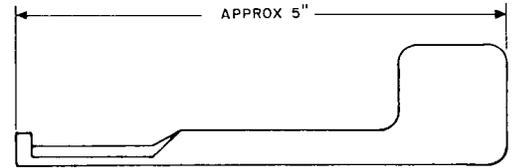
**Fig. 18—KS-20929, L4, Adjuster Tool**

**2.19 KS-21258, L1:** The KS-21258, L1, adjuster tool (Fig. 19) is used for adjusting the back-stop of the U- and Y-type relays.



**Fig. 19—KS-21258, L1, Adjuster Tool**

**2.20 TP-72003:** The TP-72003 tool (Fig. 20) is a spring adjuster used on the 12AH receiving distributors.



**Fig. 20—TP-72003 Adjuster Tool**