

## FIBER KEY SHIELDS INSTALLATION

### 1. GENERAL

1.01 This section covers the requirements and methods for installing 38 type key shields.

1.02 This section is reissued to add the No. 38C, and Nos. 38F to I key shields.

1.03 These key shields consist of a piece of vulcanized paper designed to fit over the key levers and to form an apron along each side of the key assembly to prevent the passage of dirt from the keyshelf surface to the key contacts.

### 2. TOOLS AND MATERIAL

2.01 Key shields for the various types of keys involved are as follows:

<u>Shield</u>	<u>Type of Key</u>
38A	B1
38B	C1
38C	SC
38D	A1
38E	463
38F	A2
38G	A18
38H	532
38J	G1
38K	G2
38L	G3

2.02 Screwdriver KS-6854 or equivalent.

2.03 Swiss No. 0 cut square needle file 5-1/2." ←

2.04 Orange stick KS-6320. ←

2.05 Key top mounting screws. ←

2.06 Cleaning Cloth D-98063. ←

2.07 Cloth KS-2423. ←

2.08 KS-7860 petroleum spirits.

### 3. REQUIREMENTS AND METHODS

#### Inspection of Key

3.01 Before removing key top, check the key in each operating direction to determine if any of the cams bind, or fail to restore to their normal position. Any key that binds or

has insufficient spring tension shall be cared for in accordance with sections on requirements and procedures relating to these keys, before installing shields. Keys which can not be readily readjusted or which require replacement shall be referred to the supervisor.

#### Removal of Key Top

3.02 Remove the key lever handles and the key top mounting screws. Exercise care in removing these screws to prevent burring the screw heads.

3.03 Remove the key top. Where more than one key top is removed at a time mark the key tops so that they may be replaced in the same positions.

#### Cleaning

3.04 With a clean piece of KS-2423 cloth slightly moistened with KS-7860 petroleum spirits clean the following parts:

- ← (a) Top surface of the key frame.
- ← (b) Side and top surfaces of the key cams in both the normal and operated positions.
- ← (c) The slots between the cams and the key frame. The cloth should be placed over the end of a KS-6320 orange stick for this operation.

3.05 With a dry piece of KS-2423 cloth wipe all surfaces of the key tops including those of the slots. Use the cloth over the end of an orange stick when cleaning the key top slots.

#### ← Installation of the Key Shield

3.06 Viewing the shield from the scored line side, fold the side flaps downward. Exercise care to keep this fold smooth and along the scored lines.

3.07 Carefully press the shield downward over the cam levers and align the screw holes of the shield with those of the key frame. The

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lips of the center cuts should all point upward and should press closely against all four sides of the key cams.

Note: Where No. 35D shields are used on indicating type keys, cut a slot in the shield to match the one in the key frame through which the actuating lever of indicator operates. The location and size of this slot may readily be determined during operation 3.07.

3.08 Discard any key shields which become damaged from operations 3.06 and 3.07.

### Remounting of Key Top

3.09 Place the key top in position. Press the key top firmly downward with the fingers along the sides of each cam. Then check to see that the lips of the key shield are visible on all sides of the cam and that they are not damaged. Replace the shield if these requirements are not met.

3.10 Insert and tighten the two screws opposite the front cam and check the operation of the key. If the shield causes the key to bind or prevents the cam from returning to

normal, remove key top and increase the width of the slot very slightly and evenly on both sides with a file.

Caution: Insert the file in the slot from the unfinished side of the key top. Take care not to change the angle of the sides of the slot. Avoid excessive filing. A few light strokes of the file are usually sufficient.

3.11 Remount key top and two front screws and again check the operation of the key. Repeat 3.10 if operation is not satisfactory.

3.12 Insert and tighten the two screws opposite the rear cam and repeat operations 3.10 and 3.11 on this cam.

3.13 Insert and tighten the remaining key top screws. Check for binding by operating key to all positions.

3.14 Any key top screws which are burred should be replaced.

3.15 Remount the key handles.

3.16 Finish the installation work by wiping out the key pan with a dampened D-98063 cleaning cloth to remove any dust and dirt which may have become dislodged while placing the key shields, then thoroughly clean the keyboard and key tops with a dry cleaning cloth.