

## STEP-BY-STEP SWITCH COVERS REMOVAL OF FELT SEALS AND INSTALLING FIBRE STRIPS

### 1. GENERAL:

- 1.1 This section describes the method of replacing felt seals on switch cover plates and covers with a formed fibre strip.
- 1.2 This section is reissued to incorporate material from the addendum in its proper location.

### 2. APPARATUS:

- 2.1 Fibre Insulating Strip per P-290017.
- 2.2 Eyelets per P-12713, as required.
- 2.3 Eyelet Punch, No. 391-A Tool.
- 2.4 Eyelet Punch Forming Tool, No. 392-A Tool.
- 2.5 Slot Punch, No. 393-A Tool.
- 2.6 Oil Can.
- 2.7 KS-8372 Trichloroethylene or denatured alcohol, as required.
- 2.8 Cloth per KS-2423, as required.
- 2.9 Battleship Gray Enamel, per RM-644305, as required.
- 2.10 ½ inch Camel's Hair Brush.

### 3. METHOD:

#### Removal of Felt Seals:

- 3.1 Dampen the felt seals on the cover plate and inside the cover top with trichloroethylene where rubber (indicated by its black color) is used as the adhesive or with denatured alcohol where shellac (indicated by its lighter color) or other adhesive is used. Allow the felt to stand for a few minutes; this facilitates removal and minimizes the possibility of lint particles being deposited on the switch and relay parts.
- 3.2 Remove the felt with the fingers; then remove the adhesive from the cover plate and cover by means of a cloth saturated with the same kind of solvent used for removing the felt.

Note: Care should be exercised so as not to scratch the surface finish (if it is necessary to scrape the adhesive off) and not to allow the solvent to get on the jack springs, etc.

- 3.3 Clean all solvent and adhesive from the cover and cover plate with a clean dry cloth, per KS-2423.

- 3.4 When alcohol is used to remove shellac, it may leave exposed places on the switch cover which should be touched up with battleship gray enamel, in order to prevent rusting.

#### Installation of Fibre Strip:

- 3.5 Slip the fibre insulating strip over the lower edge of the switch cover the full depth of the groove, beginning at one end and working around to the other, then punch the center hole with a No. 391-A tool. Insert an eyelet (P-12713) through the strip and cover, with the head of the eyelet on the outside of the switch cover. Place the eyelet forming tool No. 392-A over the eyelet with the tension spring of the tool on the outside of the switch cover; then form the eyelet by pressing the handles of the tool firmly together. This will hold the fibre strip in place. The remaining holes should be punched and the eyelets formed in the same manner. An eyelet can be removed, if necessary, by means of the eyelet punch tool No. 391-A.
- 3.6 Place the cover on the switch and check that it rests flat on top of the mounting plate. If one or more of the bayonet pins prevent this, lengthen the corresponding slot or slots by punching out the metal at the top of the slot with the No. 393-A tool as follows: Hold the No. 393-A tool on the cover with the guide of the tool resting against the ear of the cover and the punch pilot in contact with the cover at the point where the metal is to be removed; then press the handles of the tool firmly together. Touch up the cover with battleship gray enamel where metal was removed in order to prevent rusting. Metal chips that fall inside of the switch cover should be removed before the cover is placed on the switch.

Note: When the cover rests flatly on top of the switch mounting plate, a ¼ inch space is allowable between the lower edge of the cover and the cover plate.