DESK STANDS
MAINTENANCE

1. GENERAL

1.01 This section outlines procedures for the maintenance of desk stands.

2. REQUIREMENTS

(A) Contacts and Contact Springs

2.01 **Contact Follow:** All contact springs including those which make contact when the receiver is on the hook shall have a perceptible follow.

2.02 **Contact Separation:** The separation between contacts normally open or between contacts which are opened when the receiver is removed shall be approximately equal and shall not be less than .010 inch. The separation between the transmitter cutout contacts shall be approximately .025 inch when the cutout button is in the normal position. Check this condition with desk stand connected to the line by listening in the receiver and gauge the separation by observing the travel of button from the time it makes contact with the spring until click is heard in the receiver.

2.03 **Contact Sequence:** The contact sequence shall be as follows:

Desk Stands	Springs
50C and 51C	YY and BB shall make last and break first. Also, RR and B shall break before R and B make.
151C and 151R	YY-R and BB shall make last and break first. Also, on the 151C stand RR and W shall break before W and Y make.
151S	W and BB shall make last and break first.

2.04 **Flexible Contact Spring Position:** Where a contact spring travel is restricted by a fixed (stop) spring the flexible spring shall rest against the fixed spring at least on the free end when contacts are open.

2.05 **Contact Alignment:** Contacts shall line up so that the contact point falls wholly within the circumference of the opposing contact disc.

(B) Switchhook

2.06 The switchhook shall move freely without binding or squeaking throughout the entire travel.

2.07 When the receiver is slowly lifted from the switchhook, the switchhook shall move upward and come to a positive stop against the lug holder.

2.08 When the receiver is slowly lowered into place on the switchhook, it shall cause the switchhook to move downward and come to a positive stop. In the case of 52AB and 152AB desk stands apply the weight of the receiver at a point near the inner prong of the switchhook.

3. ADJUSTING PROCEDURES

(A) Contacts and Contact Springs

3.01 Contacts should be cleaned with the 265-B tool.

3.02 When adjusting contact springs take care not to kink them. Kinked springs should not be straightened unless the kink interferes with the proper adjustment because this tends to weaken the spring and shorten its life.

3.03 **Contact Follow, Contact Separation, Contact Sequence:** If the requirements are not met, adjust the contact springs close to the point where they leave the clamping plates and insulators with the 143 tool or approved equivalent.

3.04 **Flexible Contact Spring Position:** If the requirement is not met, insert a piece of No. 22 gauge bare wire between the two springs close to the insulators and twist the ends of the wire together. Then slide the 143 tool over both springs near the end of the stop spring. Hold the tool there and pull on both ends of the wire sliding it up and down along the flexible spring so as to give a slight bend to this spring.

3.05 **Contact Alignment:** If the contact springs do not meet the requirement, loosen the spring assembly screws with a 3-1/2 inch cabinet screwdriver and shift the springs until each contact point lies wholly within the corresponding contact disk, preferably as near the center as possible. Then tighten the screws securely.

(B) Switchhook

3.06 If the switchhook binds due to its being bent, replace it.

3.07 If the switchhook binds due to pin being bent or rusted, replace the pin.

3.08 If switchhook squeaks, remove pin and clean it with KS-2423 cloth.

3.09 If switchhook squeaks or binds due to bearing against side of slot in handle loosen screw in base which engages terminal plate assembly, centralize switchhook in slot and tighten base screw.

3.10 If a switchhook stop is broken or missing, replace the switchhook.

3.11 If switchhook does not operate properly, it may be due to excessive tension or insufficient tension of the long contact spring. Adjust this spring and then check all spring requirements.