

Film-Tech

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STRONG PLATTER

PRODUCT INFORMATION BULLETIN

page 1

35 MM CONTROL PLATE with CARBON SWITCH (Complete Platter Systems)

Shipped in Control Plate Kit Part Numbers - - 2490-06-11 CPK ALPHA 35mm C

INSTALLATION

CAUTION ! ! ! TO AVOID ELECTRICAL SHOCK HAZARD !

Completely remove all electrical power supplied to the Platter, by unplugging the Variac Transformer Main Power Cord from the 110 volt service outlet. Also disconnect the MAKE-UP TABLE cord from the TABLE PORT on the Variac case.

You have purchased a complete ALPHA PLATTER SYSTEM with CARBON SWITCHES, if necessary, reference the UNCRATING and ASSEMBLY PROCEDURE page 3 paragraph 16, and ALPHA OPERATIONAL MANUAL page 18 for control plate installation purposes.

WIRING THE CARBON SWITCH

Fig. 1, page 2 of this bulletin illustrates an over-head view of the CARBON SWITCH with the electrical cover removed. When connecting the two wires to the CARBON SWITCH terminal block, YOU ARE ADVISED TO LOOSEN ONLY AND NOT TO REMOVE THE TERMINAL SCREWS. Either the RED or BLUE wire can be connected to either terminal screw, it makes no difference. Excess wire needs to be shoved back down into the spindle. Make sure the wires are positioned so that they do not interfere with the CARBON SWITCH arm movement or with CONTROL PLATE ARM movement. Be sure to replace the electrical cover and secure it with the two small screws that secured it originally.

35 MM CONTROL PLATE with CARBON SWITCH (Complete Platter Systems)

Shipped in Control Plate Kit Part Numbers - - 2490-06-11 CPK Alpha 35mm CAR

SWITCH ADJUSTMENT - Static

All carbon switches have been tested and preadjusted before shipment. However the switch adjustment should be checked after control plate installation, and before running film. In addition, DISK TIMING has a pronounced influence on overall switch performance, to check DISK TIMING consult the OPERATION MANUAL page 10. Verify all DRIVE MOTOR SELECTOR SWITCHES are OFF. Reconnect the power cord, and power up the platter. Raise the film take-up plate, until the TOP HOLE in the back of the column is opposite the spring loaded pin. Push the pin into the TOP HOLE, the weight of the take-up plate will keep it in place. There are two holes in the back of the column, See page 4, figure 4. The TOP HOLE is used for SWITCH ADJUSTMENT, and FILM THREAD-UP, the LOWER HOLE (Approximately 1 5/16" Lower) is the platter interlock pin hole, used when film is being paidout from one platter system, and rewound on a second platter system. CAUTION if the LOWER HOLE is used during film thread-up, platter creep may result !! Place the DRIVE MOTOR SELECTOR SWITCH to the PAYOUT position, insert the CARBON SWITCH SETTING GAUGE, provided with this bulletin, between the control plate arm, and the left hand limit spool. See page 3, figure 1, and 2. Insert a 3/32" allen wrench (provided with this bulletin) into the switch adjusting screw, see page 3, figure 1. NEVER TURN THE ADJUSTING SCREW MORE THAN 1/10 TURN AT A TIME!! While holding the control arm, and gauge against the left hand limit spool, turn the adjusting screw until the platter starts to creep. Turning the adjustment screw clockwise will increase disk speed, and counter clockwise will decrease disk speed. Repeat this adjustment for each control plate.

SWITCH ADJUSTMENT - Dynamic

Dynamic adjustment needs to be performed with the platter operating, feeding out film, and rewinding film at projector operating speed, (90 ft. / min. for 35 MM film and 116 ft. / min for 70 MM film). After threading the platter and projector, and reaching operating speed, retard the feed-out platter by hand, allowing the film to wrap clock-wise around the control plate. As the film wraps around the plate, it will pull the control plate arm toward the left hand limit spool. The desired condition is to have the right hand control plate arm spool touching the left hand limit spool when film has wrapped at least 2 1/2 times and not more than 3 1/2 times.

NOTE : The switch cannot be adjusted with film wrapped around the control plate.

If the desired condition, described above, is not met, then allow the film to unwrap, and turn the adjusting set screw according to the following guidelines.

- 1) If the two spools touched each other prior to obtaining the 2 1/2 wraps, then turn the adjusting set screw clock-wise.
- 2) If the two spools did not touch each other after obtaining the 3 1/2 wraps, then turn the adjusting set screw counter clock-wise.

NEVER TURN THE ADJUSTING SCREW MORE THAN 1/10 TURN AT A TIME!!

NOTE : Due to "carbon burn in", during the first few hours of operation, the Carbon Switch may require readjustment.

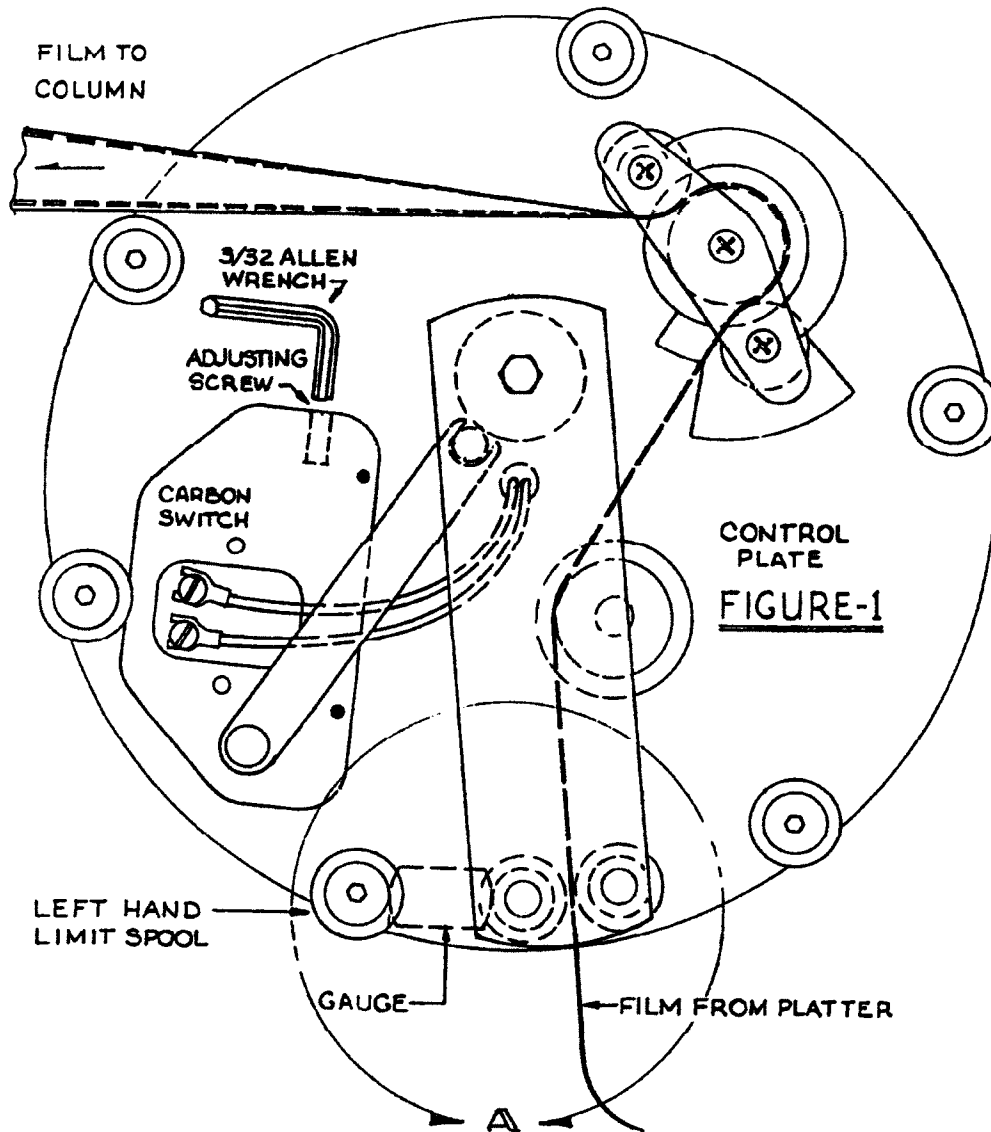


FIGURE-2
END VIEW CIRCLE A

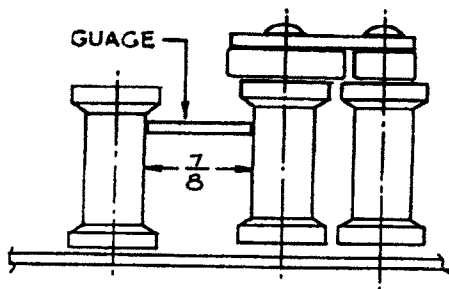


FIGURE-3
SWITCH SETTING GAUGE

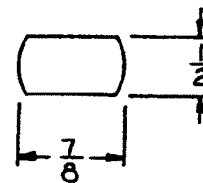


FIG-4

