

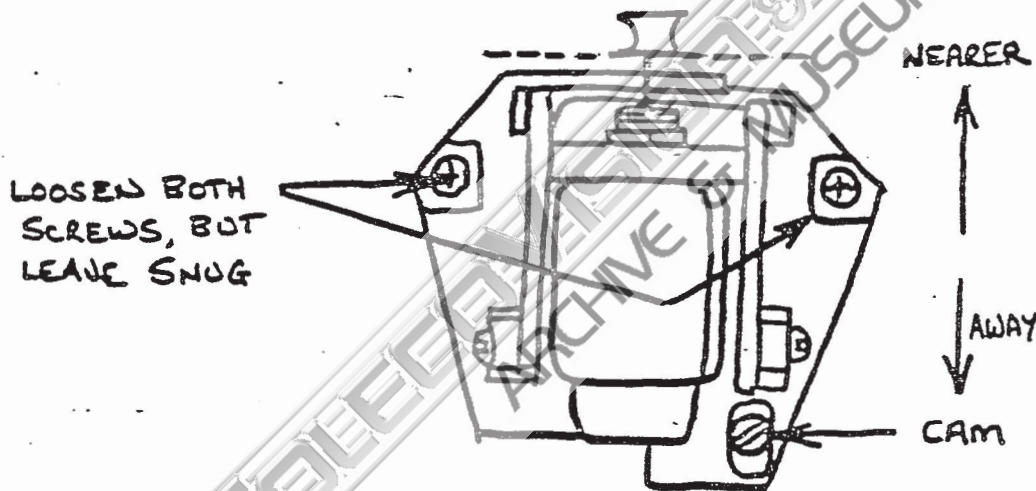
REDESIGNED PRINT HEAD MECHANISM ADJUSTMENTS

The redesigned print head has two methods of adjustment which effect the print quality.

Adjustment (1) Cam Adjustment

The Cam is used to move the print solenoid nearer or further away from the platen (roller). This adjustment is used to increase or decrease density of characters. If a character exhibits heavy density or ghosting, the solenoid may be too close to the platen. To move the solenoid away from the platen, loosen the two screws either side of the solenoid. Using flat head screwdriver, turn the Cam counterclockwise. Tighten the two screws and repeat print test to determine if condition has been corrected. If position is satisfactory, apply loctite 495 to screws to maintain set position. If the print exhibits light density or missing characters, follow steps above but move Cam clockwise to move solenoid nearer to platen.

DIAGRAM



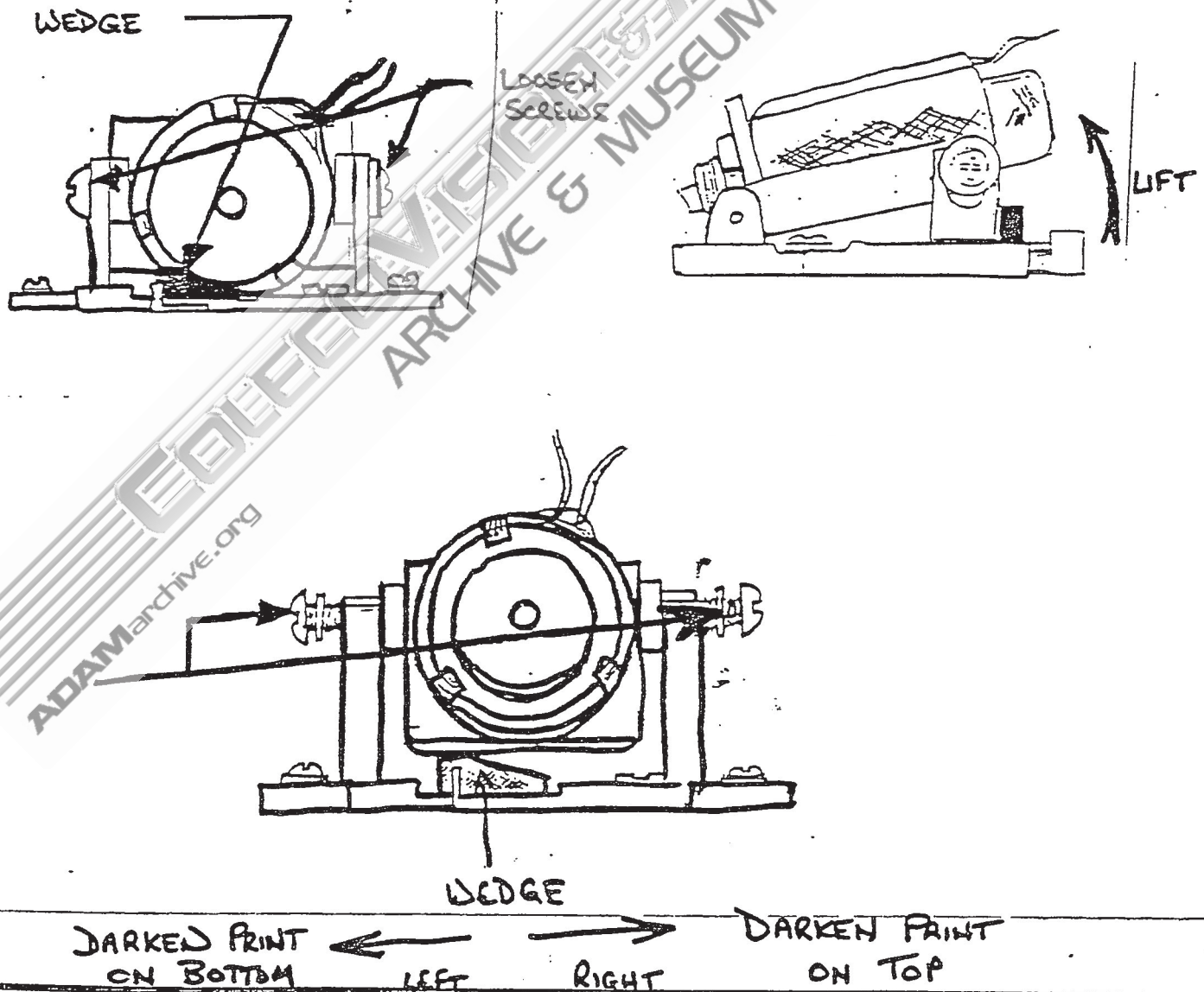
ADJUSTMENT II THE WEDGE

The wedge is used to increase or decrease the angular relationship of the solenoid to the platen.

If print is light on top and dark on bottom, the wedge must be moved to the right. To move wedge, loosen screws either side of solenoid. Lift solenoid and using needle nose pliers, lift or push the wedge 1 or 2 spaces to the right. Push solenoid back down to trap wedge in new position. Tighten screws and repeat print test to determine if condition has been corrected. If correct, apply loctite 495 to screws to maintain set position.

If print is dark on top and light at the bottom, the wedge must be moved to the left. Repeat above steps but move wedge to the left.

DIAGRAM



MODIFICATION OF PRINTER WITH OLD STYLE PRINT HEAD
TO ACCEPT NEW PRINT HEAD:

OPERATION
NUMBER

1. TURN PRINTER OVER AND REMOVE (7) SCREWS WHICH HOLD CASE TOP TO CASE BASE. TURN UNIT UPRIGHT AND REMOVE CASE TOP. RETAIN CASE TOP AND (7) SCREWS FOR LATER REASSEMBLY.
2. REMOVE (1) SCREW, (1) WASHER AND (1) "P" CLIP FROM CABLE CONDUIT, WHICH HOLDS EXISTING PRINT HEAD TO CASE BASE. RETAIN (1) SCREW, (1) WASHER AND (1) "P" CLIP FOR LATER REASSEMBLY.
3. CUT TY-RAP AND UNPLUG WIRES FROM PRINT HEAD FROM EDGE CONNECTOR OF LOGIC BOARD. (NOTE: IF EXISTING LEAF RESET SWITCH WIRES ARE SHARING A SIX PIN CONNECTOR WITH OPTICAL SENSOR WIRES, THE RESET SWITCH WIRES MUST BE CUT AT THE CONNECTOR BEFORE ATTEMPTING TO REMOVE THE PRINT HEAD).
4. UNHOOK THE PRINT HEAD FROM THE CARRIAGE BOTTOM SHELL AND PUT PRINT HEAD IN REJECT BIN/AREA.
5. REMOVE RESET SWITCH FROM LEFT HAND SIDEPLATE AND PUT IN REJECT BIN/AREA.
6. ASSEMBLE DRILL GUIDE FIXTURE TO LEFT HAND SIDEPLATE (WITH PILOT HOLES TO FRONT OF PRINTER) AND USING A #50 DRILL BIT, DRILL TWO PILOT HOLES IN LEFT HAND SIDEPLATE. REMOVE DRILL DEBRIS FROM INSIDE OF PRINTER.
7. PICK-UP (1) S042804 "NEW" STYLE PRINT HEAD AND HOOK ON TO CARRIAGE BOTTOM SHELL. PLUG PRINT HEAD CONNECTORS TO LOGIC BOARD EDGE CONNECTORS IN FOLLOWING SEQUENCE:
DAISY WHEEL MOTOR WIRES (BLUE, BROWN, YELLOW, RED, BLACK AND WHITE) TO PINS (1) THROUGH (6). OPTIC SENSOR WIRES (PINK, ORANGE, PURPLE AND GRAY) TO PINS (15) THROUGH (18). LARGE FOUR PIN CONNECTOR (BLACK/WHITE, BLACK/WHITE, GREEN AND GREEN) TO LARGE CONNECTOR ON LOGIC BOARD.
8. PICK UP ONE (1) S042849 MICRO SWITCH ASSEMBLY, ONE (1) R042807 RESET SWITCH COVER AND TWO (2) R042821 #2 AB X 1/2" SCREWS AND ASSEMBLE TO LEFT HAND SIDE PLATE IN PREVIOUSLY DRILLED HOLES.

9. TEST FOR CORRECT ACTUATION OF MICRO-SWITCH BY MANUALLY MOVING PRINT HEAD TO THE LEFT AND OBSERVING MICRO-SWITCH IS ACTUATED BY ACTUATOR MOUNTED ON LEFT HAND REAR OF PRINT HEAD.
10. ROUTE MICRO RESET SWITCH WIRES AROUND FRONT SCREW BOSS OF CASE BASE PER VISUAL AID #1. PLUG CONNECTOR INTO PINS (13) AND (14) AT FRONT OF LOGIC BOARD.
11. BUNDLE PRINT HEAD WIRES, CARRIAGE RETURN MOTOR WIRES AND RESET SWITCH WIRES TOGETHER AND SECURE WITH (1) R041977 TY-RAP. CUT OFF EXCESS TAIL OF TY-RAP.
12. REASSEMBLE "P" CLIP, SCREW AND WASHER (RETAINED FROM OPERATION 2) TO CASE BASE CAPTURING CABLE CONDUIT OF NEW PRINT HEAD AND MICRO-SWITCH WIRES WITHIN "P" CLIP.
13. REASSEMBLE TOP CASE TO BOTTOM CASE WITH (7) SCREWS (RETAINED FROM OPERATION 1).
14. PICK UP ONE (1) NEW STYLE ACCESS PANEL F042548 AND APPLY ONE (1) R041057 ACCESS PANEL LABEL TO LABEL LOCATING BOSS. ASSEMBLE ACCESS PANEL TO PRINTER.