37 KEYBOARD UNIT

LUBRICATION

1. GENERAL

1.01   This section provides lubrication procedures for the late design, 11-contact 37 keyboard unit (Figure 1). It is reissued to delete information on the base and reset mechanisms placed in Section 574-331-100. Since this is a general revision, marginal arrows normally used to indicate changes have been omitted.

1.02   Refer to lubrication Section 574-321-701 for procedures for early design, 28-contact units.

1.03   Lubrication of the keyboard unit is presented by mechanisms with the procedures arranged counterclockwise around the mechanism. Following the procedures in this manner minimizes shifting and handling of the mechanisms.

1.04   Figures of each mechanism are used to show the lubrication area. The paragraph numbers on the figure refer to the specific lubrication points. References made to the front, top, rear, left, or right, apply to the keyboard unit in the position normally viewed by the operator.

1.05   Lubricate the keyboard unit before placing it in service and just prior to putting it in storage.

1.06   After approximately 200 hours or four weeks of operation (whichever comes first) relubricate the keyboard unit to make certain that no mechanisms have been missed. Thereafter, lubricate the mechanisms according to the following schedule:

100 wpm	2,000 hr or 9 mo*	
150 wpm	1,500 hr or 6 mo*	

*Whichever occurs first.

CAUTION: REMOVE POWER FROM EQUIPMENT BEFORE ANY LUBRICATION IS PERFORMED.

1.07   The following list of symbols applies to the specific lubrication instructions given in each paragraph:

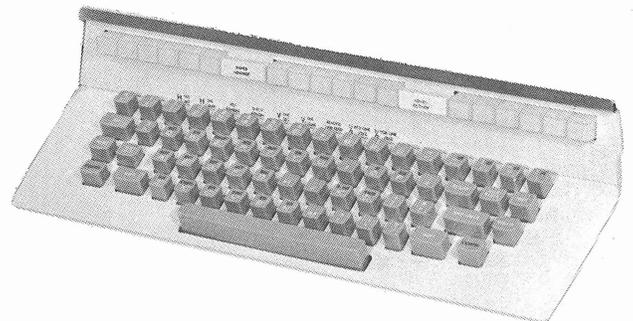| SYMBOL	MEANING
D	Keep dry, no lubricant permitted.
O	Oil with KS7470 oil as instructed.
G	Apply KS7471 grease.
L	Apply Lubriplate (TP108805).

Figure 1 - 37 Keyboard Unit W/Control Panel

Prepared for American Telephone and Telegraph Company by Teletype Corporation

Note: In general, the symbols indicate the type of lubricant. Quantity of lubricant is normally given with the text associated with specific lubrication instructions. An exception to this method is where the exact number of drops of oil is specified. For example, O1, O2, O3, etc, refer to 1, 2, 3, etc, drops of oil.

1.08 Oil should be applied by means of an oiler to points where it will adhere or where pressure is nominal. In lubricating small parts, only a single drop of oil should be applied so that the oil remains on the part and does not run off.
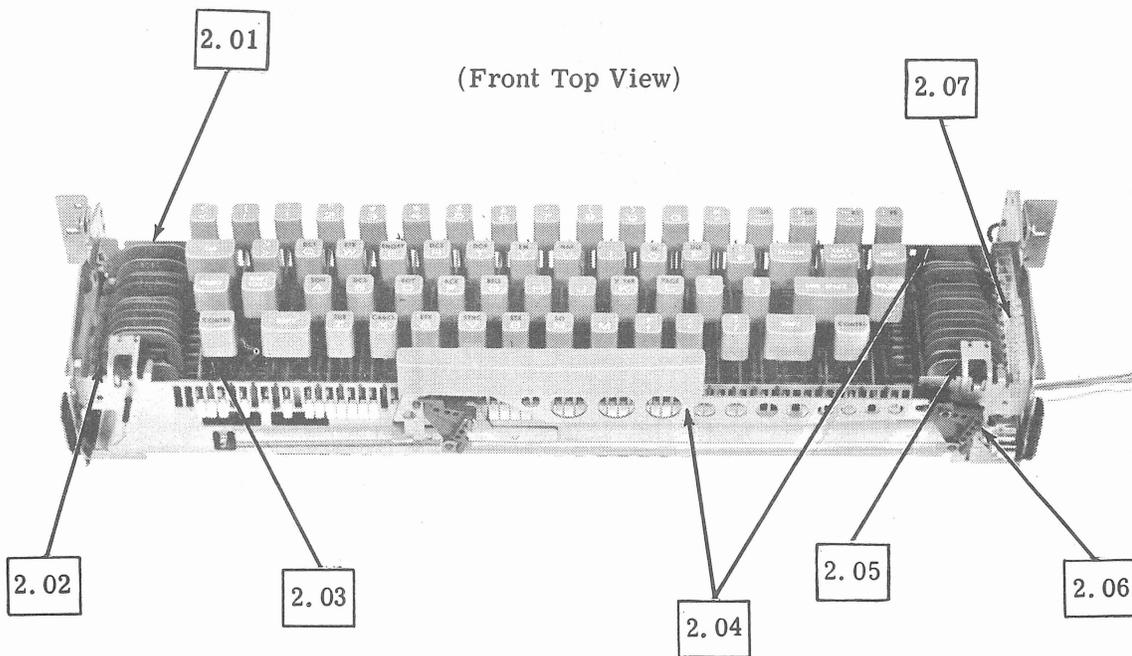
Note: Excessive oil tends to creep onto contacts and wiring insulation where it has a harmful effect.

1.09 In general, oil should be used in such locations as hollow shafts, wicks, and in most locations where parts rub, slide, or move with respect to each other. Grease should be used on gear teeth and points of heavy pressure. Overlubrication which would allow oil to drip or grease to be thrown on other parts should be avoided. Capillary action and vaporization tend to keep a film of oil on the mechanisms. This prevents rust and provides sufficient lubrication to many points.
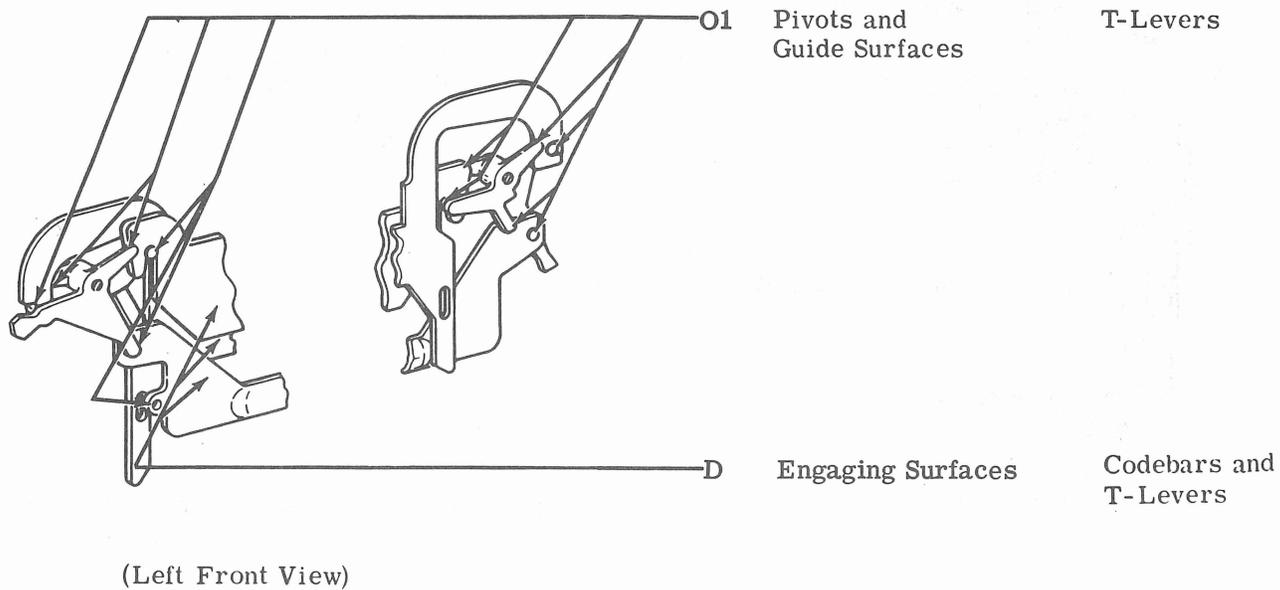
Note: Protective pad TP124828 is available to protect furniture and floor coverings from oil, grease, and dirt while lubricating the unit.

1.10 To remove the keyboard cover and housing for lubrication, refer to Section 574-321-705.
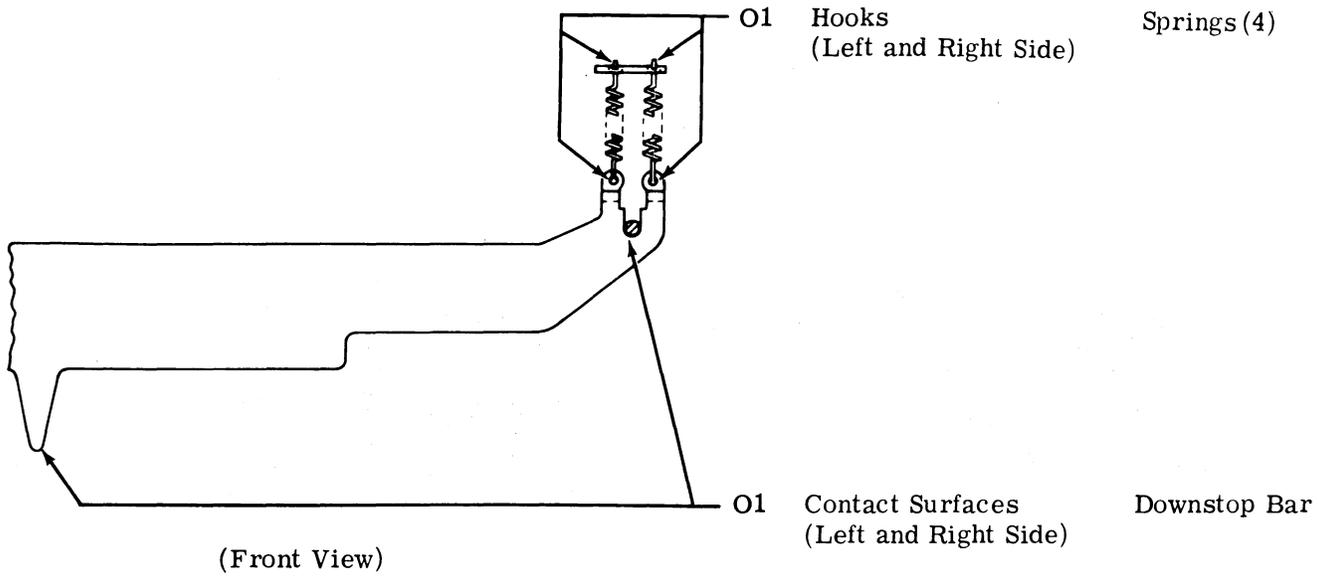
2. BASIC UNIT

KEYBOARD MECHANISM

(Front Top View)
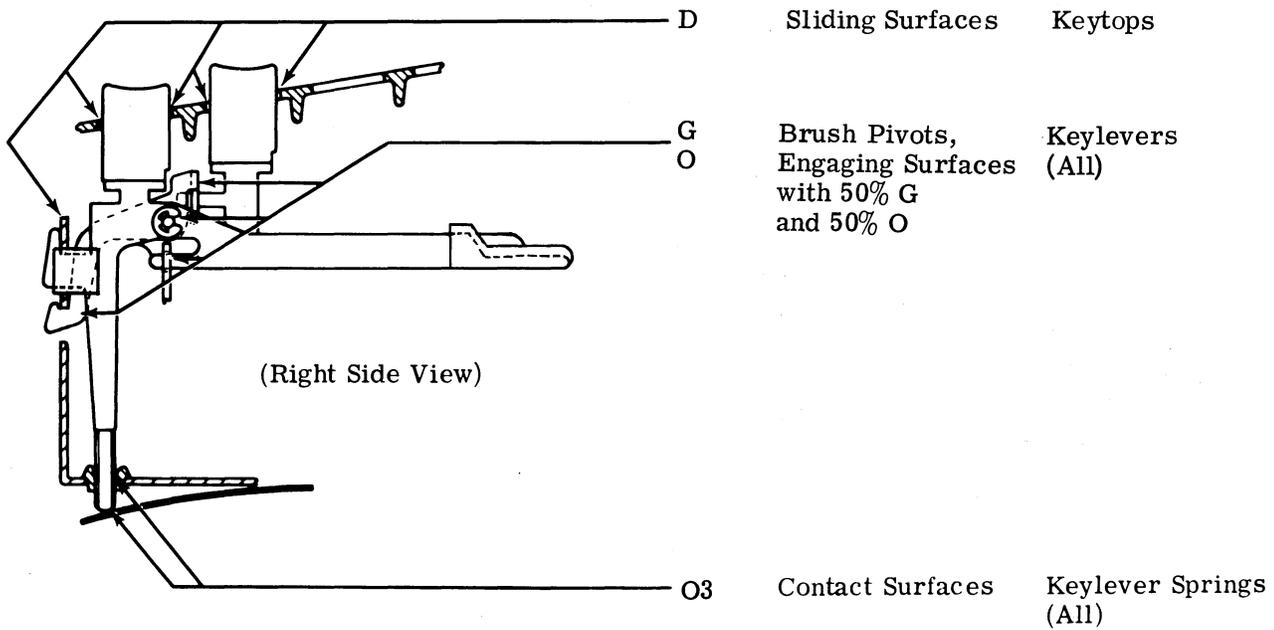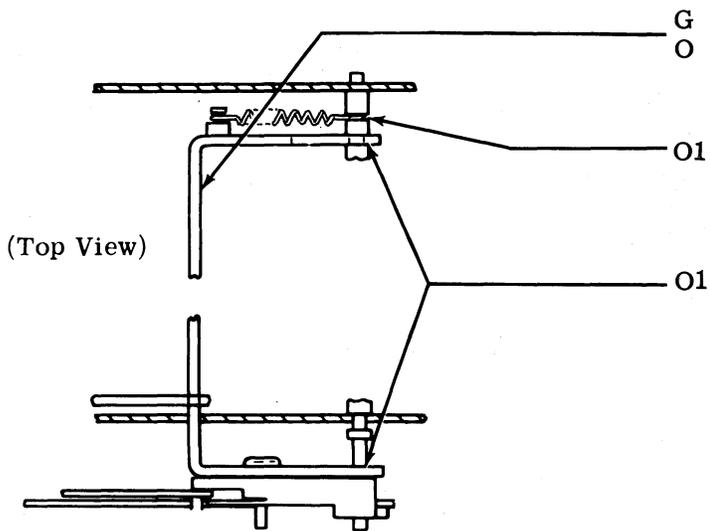
2.01

2.07

2.02

2.03

2.04

2.05

2.06

2.01 Codebar Sets

O1   Pivots and   T-Levers
Guide Surfaces

D   Engaging Surfaces   Codebars and
T-Levers

(Left Front View)

2.02   Downstop Bar

O1	Hooks (Left and Right Side)	Springs (4)

(Front View)

O1	Contact Surfaces (Left and Right Side)	Downstop Bar

2.03   Keylevers

D	Sliding Surfaces	Keytops

G O	Brush Pivots, Engaging Surfaces with 50% G and 50% O	Keylevers (All)

(Right Side View)

O3	Contact Surfaces	Keylever Springs (All)

2.04   Spacebar and Space Bail

(Top View)

G O	Brush Contact Surface with thin coat 50% G and 50% O	Space Bail
O1	Hooks (Each End)	Spring
O1	Pivots	Space Bail
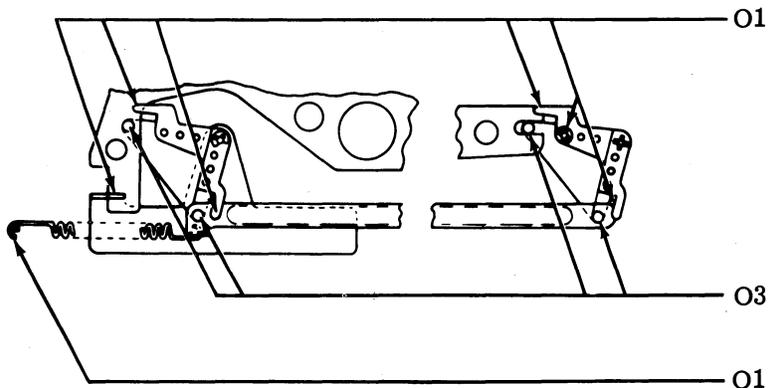
O1	Pivots and Guide Surfaces	L-Levers
O3	Pivots	L-Levers
O1	Hooks (Each End)	Spring

(Front View)

2.05   Universal Codebar
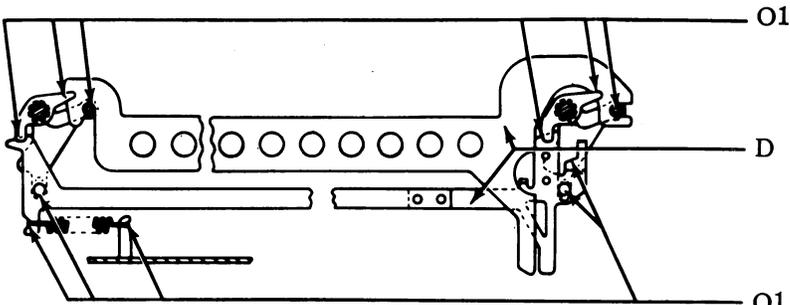
O1	Pivots and Guide Surfaces	T-Levers
D	Surfaces (Both Sides)	Codebar, Tie Link
O1	Engaging Surface, Pivots, Hooks	Tie Link, T-Levers, Spring
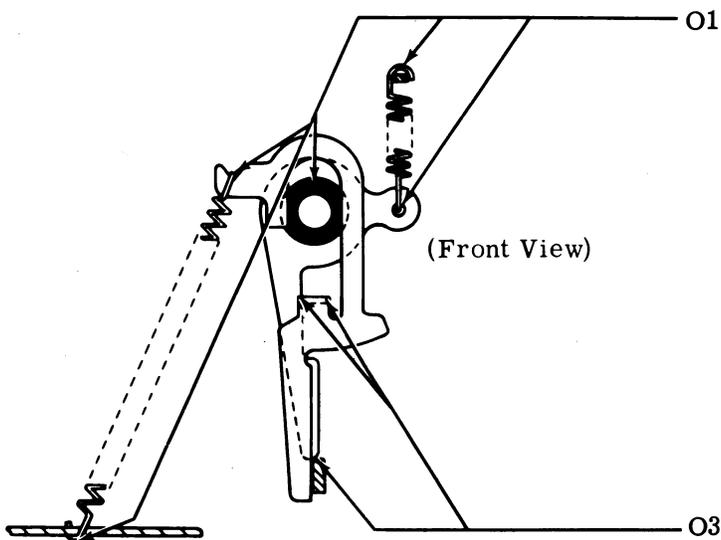
(Front View)

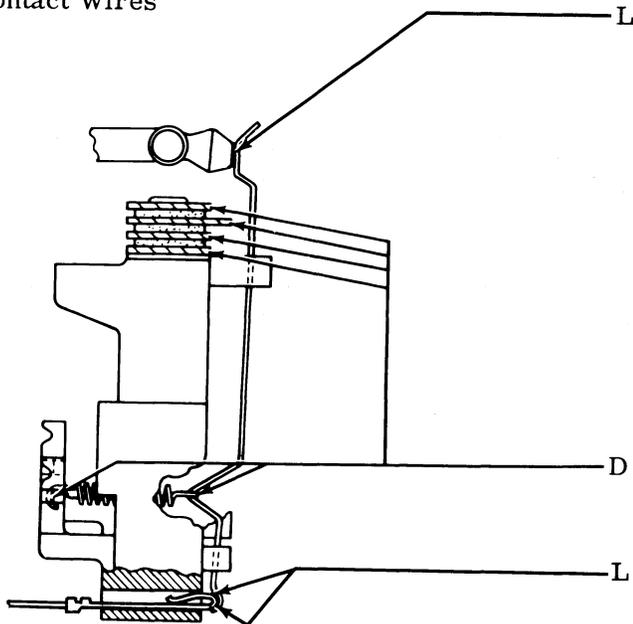|		
O1	Hooks, Pivots	Springs, Latchlever, Nonrepeat Lever
O3	Engaging Surfaces	Latchlever, Nonrepeat Lever

(Front View)

2.06 Trip Arm Lever
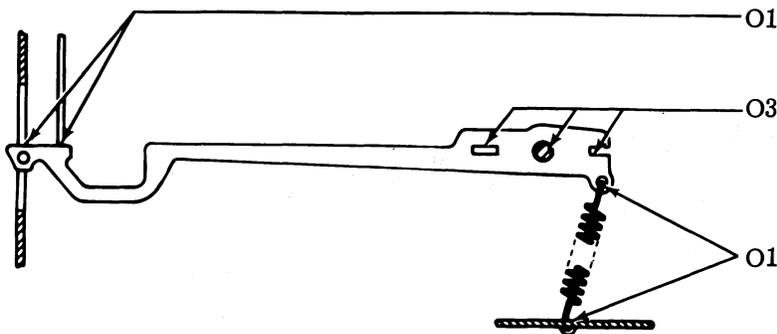
|	
Engaging Surface	Trip Arm
Pivot, Engaging Surfaces	Trip Arm Post, H-Plate (Right Side Only)
Hooks	Spring

(Right Side View)

2.07 Contact Wires

Thin Coat on engaging surface on disassembly and reassembly of Contact Mechanism	T-Levers

CAUTION: DO NOT CLEAN CONTACT BLOCK WITH ALCOHOL, MINERAL SPIRITS, OR OTHER SOLVENTS. DO NOT USE A BURNISHING TOOL TO CLEAN CONTACTS; ALWAYS CLEAN GOLD PLATED CONTACTS USING TWILL CLOTH.

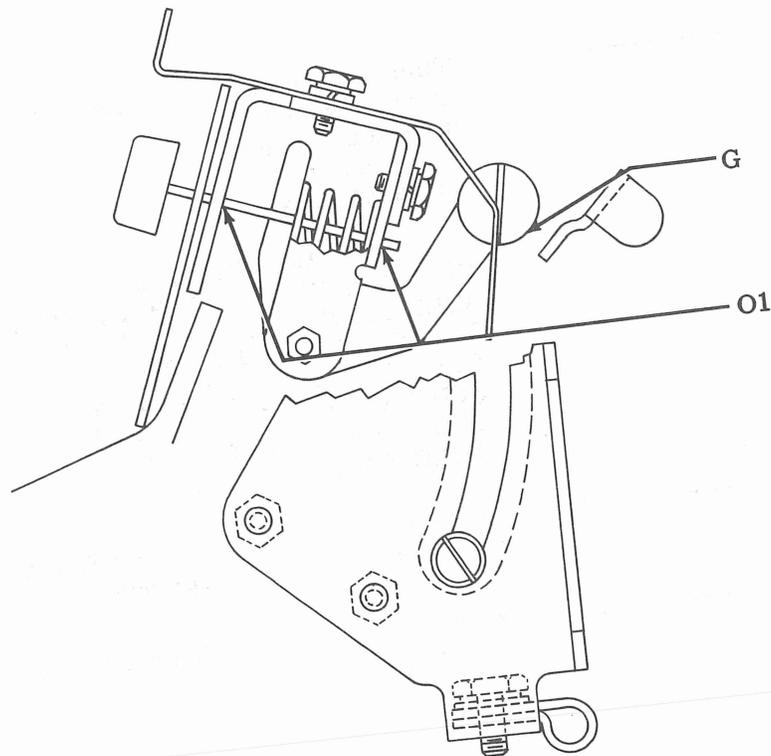|	
Contact Surfaces	Contact Wires, Springs
Pivot Terminal	Contact Wires

(Right Front View)

2.08
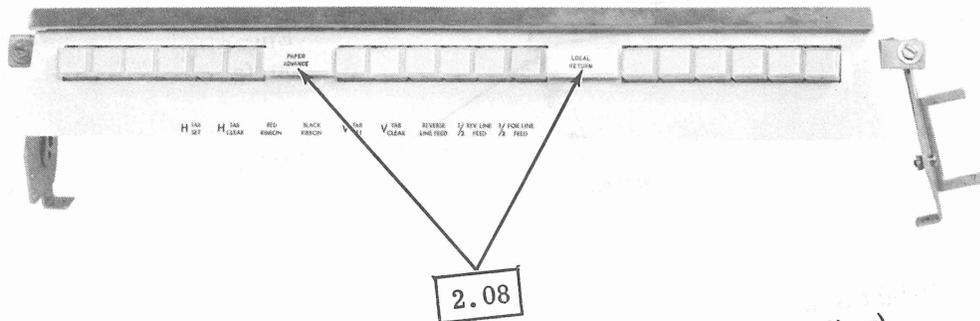
(Left Front View)

2.08 Control Panel

G — Engaging Surface   Eccentric Screw

O1 — Engaging Surface   Actuating Levers

(Right Side View)