35 TRANSMITTER DISTRIBUTOR

LUBRICATION

CONTENTS PAGE

1. GENERAL

1.01 This section contains the lubrication requirements for the 35 transmitter distributor. It is reissued to add engineering changes, the variable features, and the lubrication information contained in TCN - 655. Since this is a general revision, marginal arrows used to indicate changes have been omitted.

1.02 The 35 transmitter distributor should be lubricated as directed in this section. The figures indicate points to be lubricated and the kind and quantity of lubricant to be used. Lubricate the unit just prior to placing it in service. After a few weeks in service, relubricate to make certain that all points receive lubrication. The following lubrication schedule should be followed thereafter.

Operating Speed in Words per Minute	Lubricating Interval
60	3000 hr or 1 yr*
75	2400 hr or 9 mo*
100	1500 hr or 6 mo*

*Whichever occurs first.

1.03 Use KS7470 oil at all locations where the use of oil is indicated. Use KS7471 grease on all surfaces where grease is indicated.

1.04 All spring wicks and felt oilers should be saturated. The friction surfaces of all moving parts should be thoroughly lubricated. Overlubrication should be avoided. Special care must be taken to prevent any oil or grease from getting between the clutch armature and its magnet pole faces or between electrical contacts.

1.05 Apply a thick film of grease to all gears.

1.06 Apply oil to all cams, including the camming surfaces of the clutch disc.

1.07 The photographs show the paragraph numbers referring to particular line drawings of mechanisms and where these mechanisms are located on the unit. Parts in the line drawings are shown in an upright position unless otherwise specified.

1.08 The illustration symbols indicate the following lubrication directions:

Symbol	Meaning
O1	Apply 1 drop of oil.
O2	Apply 2 drops of oil.
O3	Apply 3 drops of oil.
O20	Apply 20 drops of oil, etc.
G	Apply thin film of grease.
SAT	Saturate (felt oilers, washer, wicks) with oil.
FIL	Fill with oil.

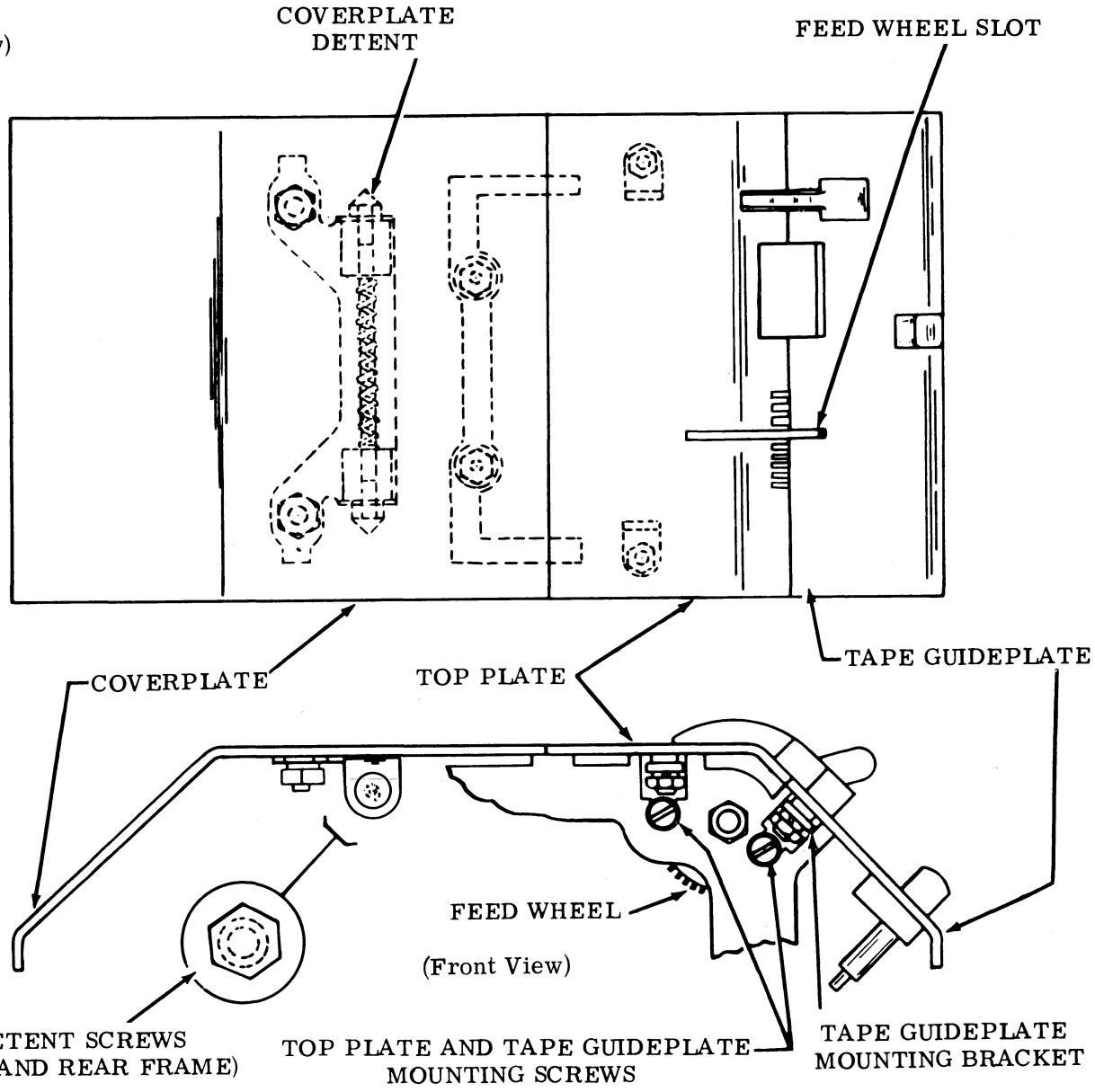
Prepared for American Telephone and Telegraph Company by Teletype Corporation

1.09 Instructions

(1) REMOVING COVERPLATE: Lift left end of plate to release the detent fasteners then slide coverplate toward the left. Replace cover in the reverse order.

(2) REMOVING TOP PLATE: Loosen the front and rear mounting screws. Lift top plate upward.

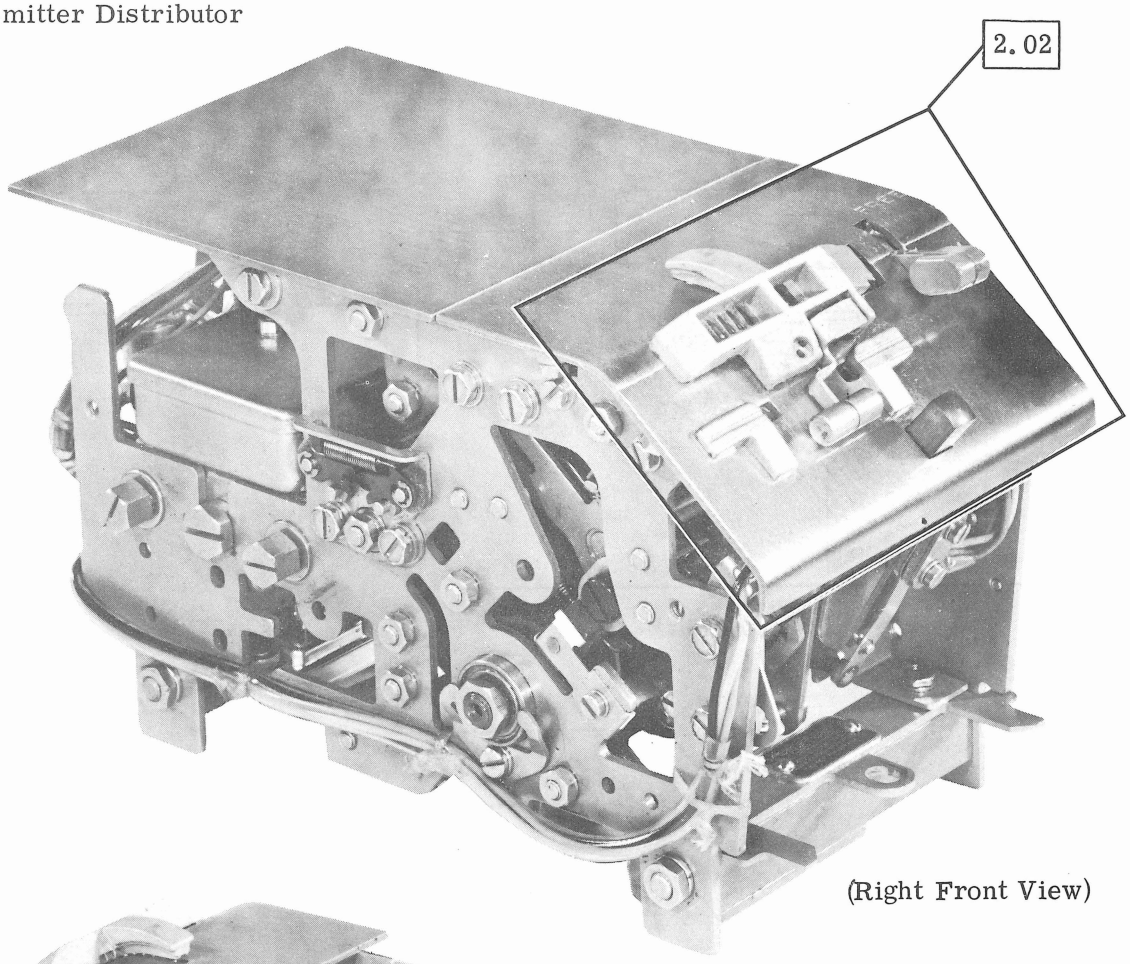
(3) REMAINING TAPE GUIDEPLATE: Loosen the tape guideplate mounting screws. Lift the tape guideplate.



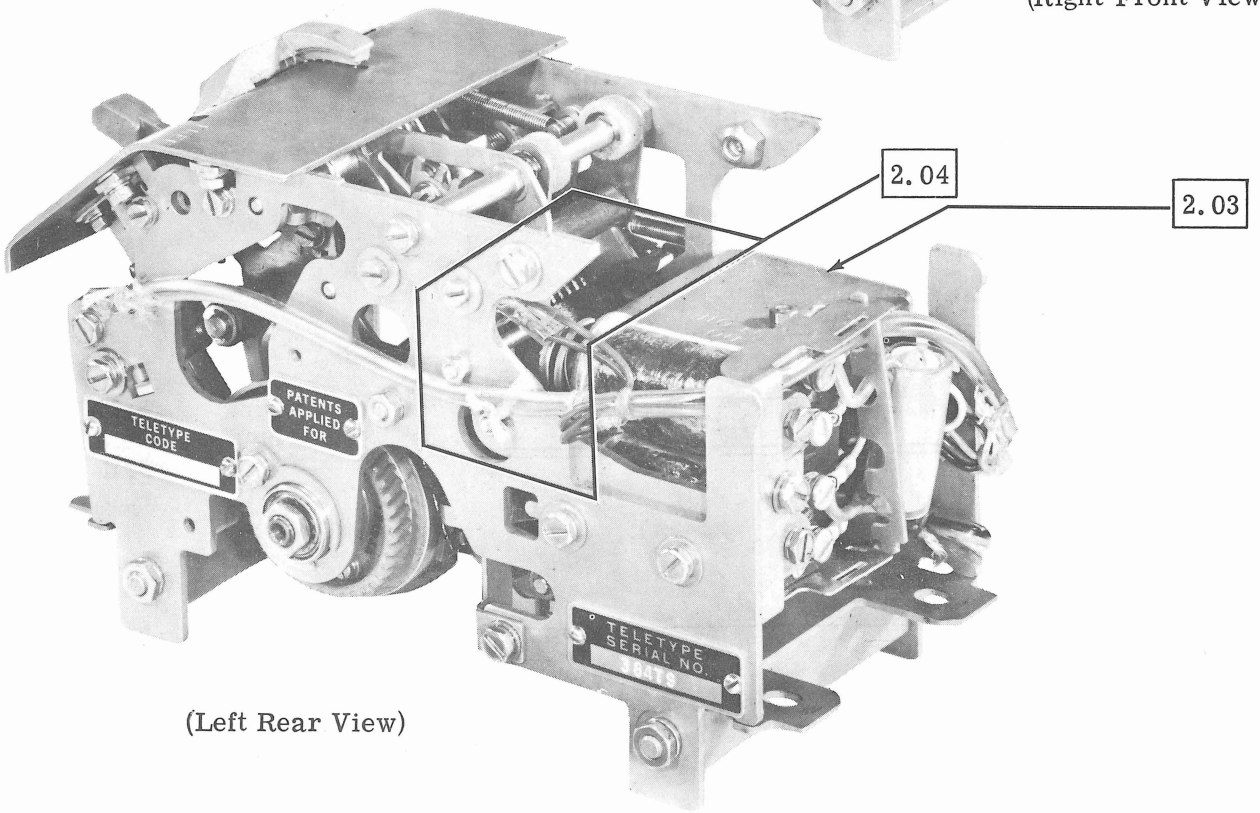
(4) REMOVING TRANSMITTER DISTRIBUTOR ASSEMBLY: Remove the screws which attach the unit to the base, and lift unit up to disengage the gear. Disconnect electrical plug.

2. LUBRICATION

2.01 Transmitter Distributor

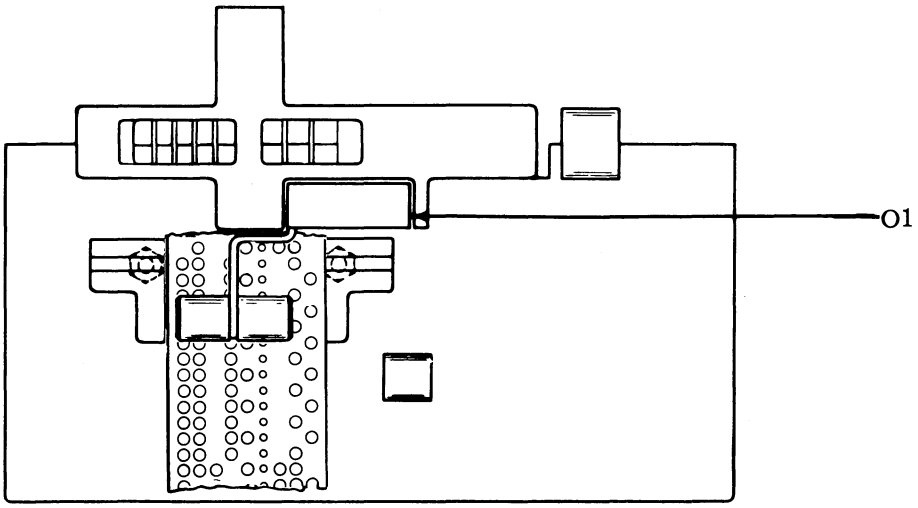


(Right Front View)



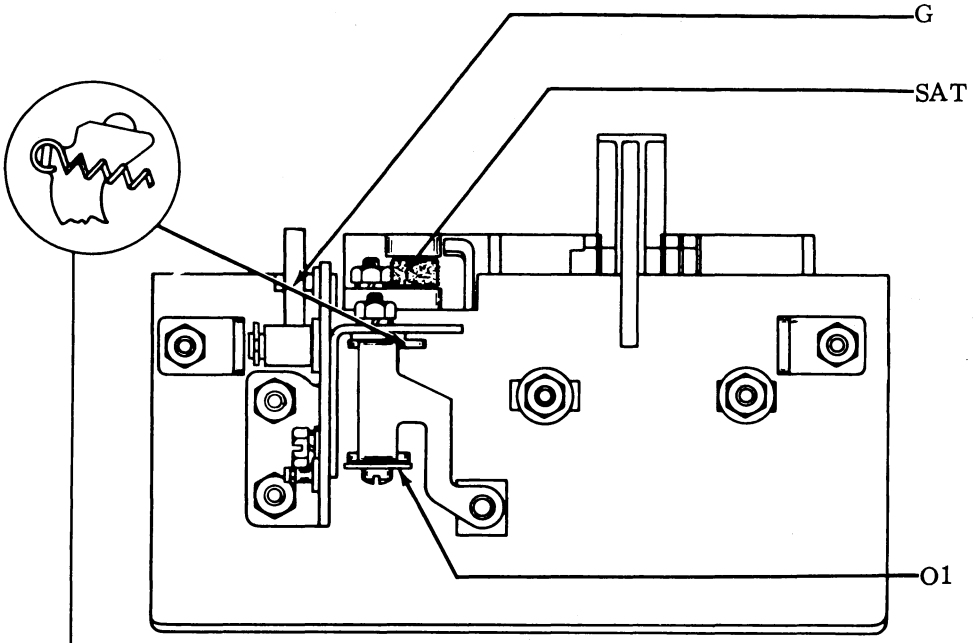
(Left Rear View)

2.02 Tape Guideplate



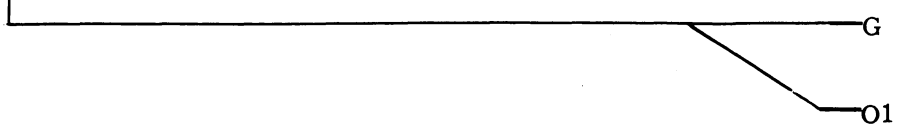
(Top View)

O1	Bearing Surface	Tight-Tape Bail



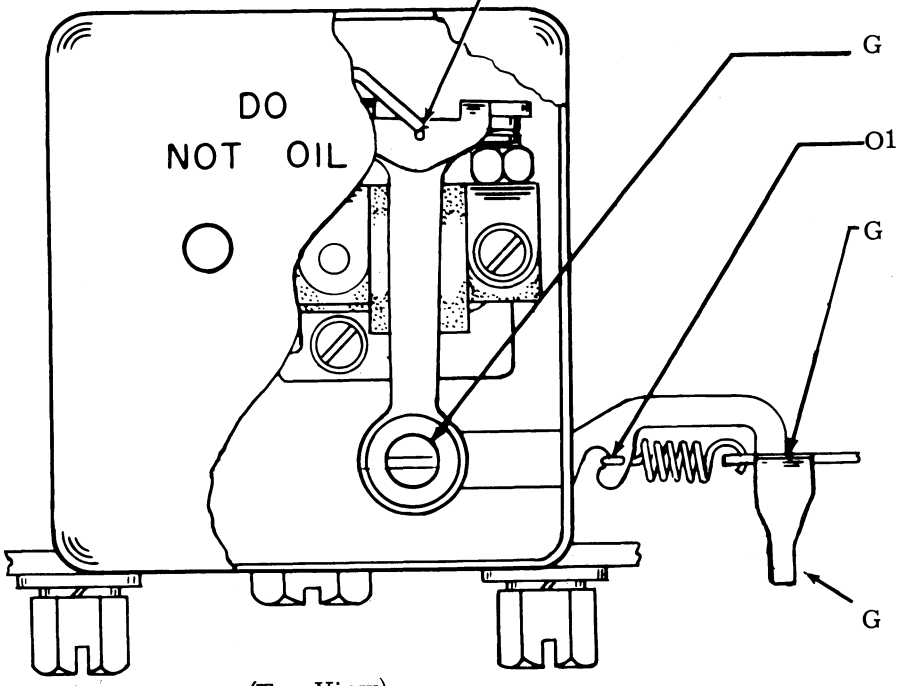
(Bottom View)

G	Detent Teeth	Start-Stop Lever
SAT	Felt Washer	Tape Lid Shaft
O1	Bearing Surface	Tape Lid Release Bail



G	Latching Surface	Tape Lid Latch
O1	Hooks (Each End)	Tape Lid Latch Spring

2.03 Signal Contact Assembly

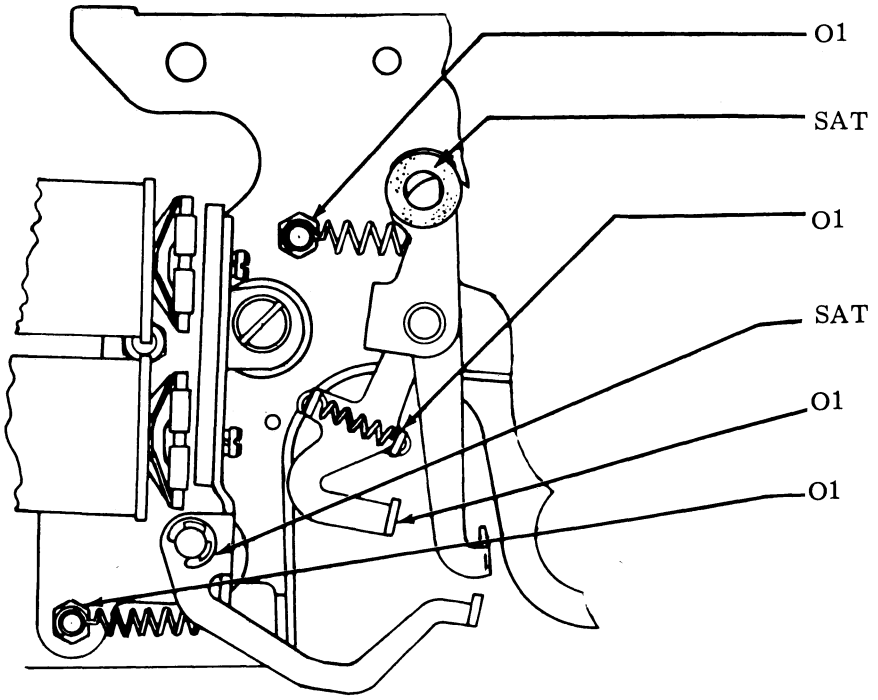


(Top View)

G	(Light Film) Engaging Surface	Toggle Link
G	Bearing Surface	Toggle (Metal) Bushing
O1	Hooks (Each End)	Transfer Bail Link Spring
G	Engaging Surface	Transfer Bail and Link
G	Engaging Surface	Transfer Bail Extension

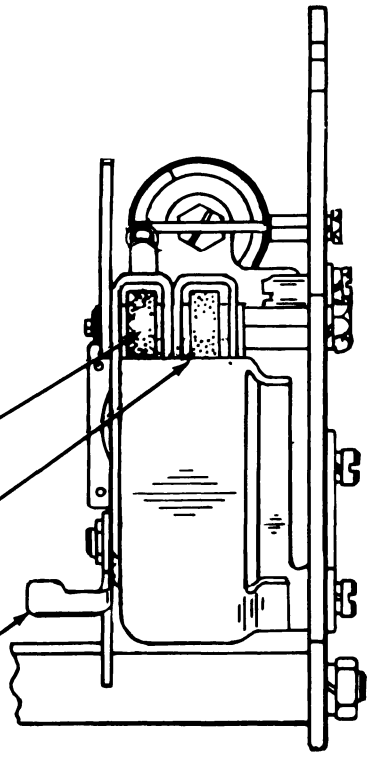
Note: The marking DO NOT OIL on the signal contact box should be interpreted literally. Portions of the mechanism should be greased as indicated, but no oil should be used.

2.04 Clutch Trip Assembly



Hooks (Each End)	Latchlever Spring
Felt Washer	Clutch Trip Bail
Hooks (Each End)	Trip Lever Spring
Felt Washers	Armature Bail
Engaging Surface	Trip Lever
Hooks (Each End)	Armature Spring

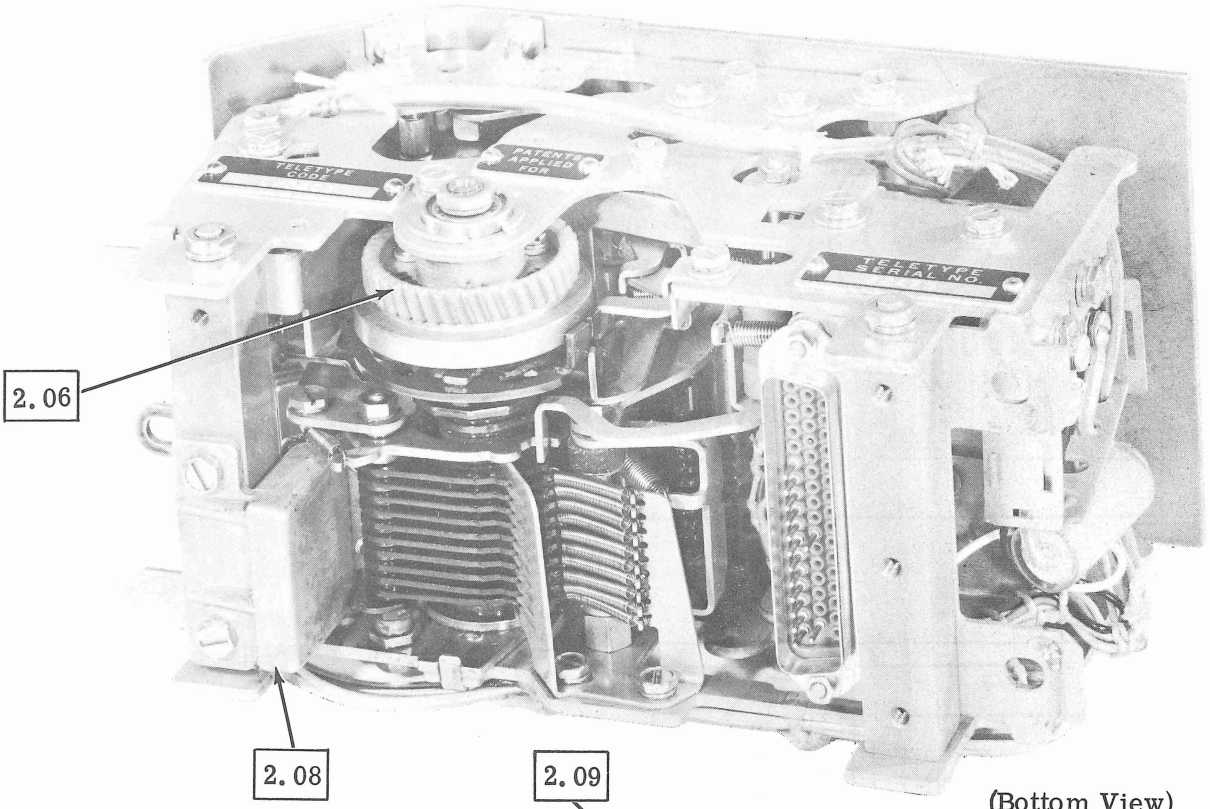
(Front View)



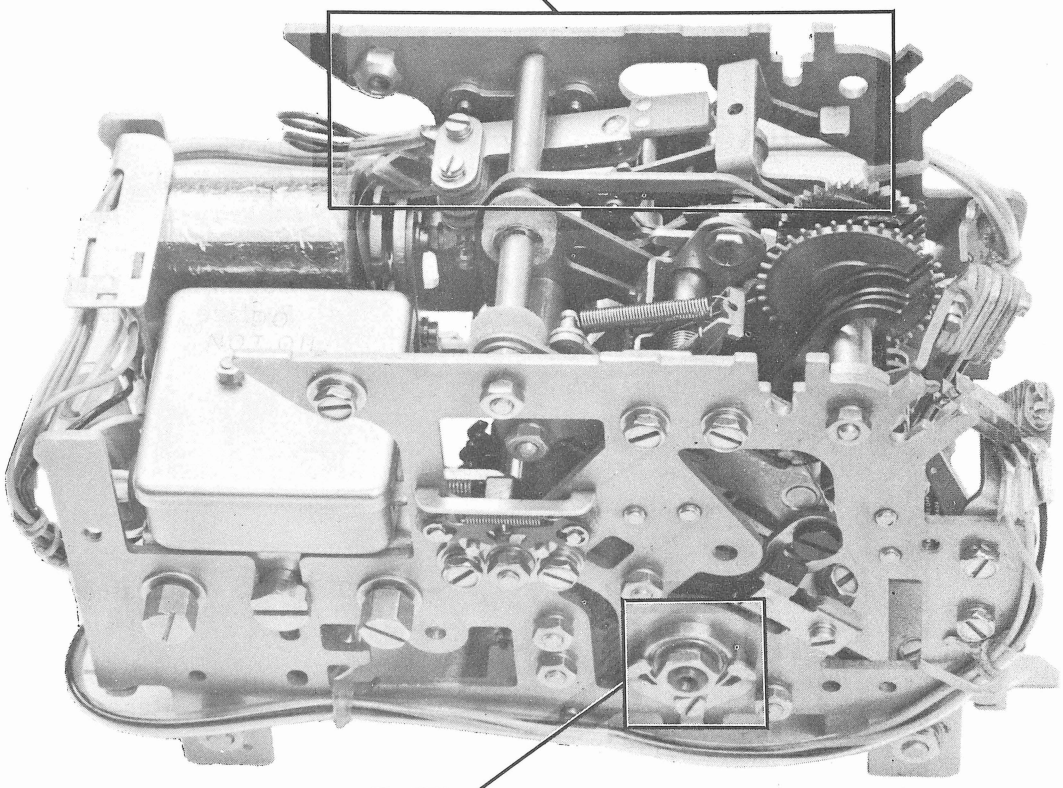
SAT	Felt Washer	Latchlever
SAT	Felt Washer	Trip Lever
G	Engaging Surface	Armature Bail Extension

(Right Side View)

2.05 Transmitter Distributor

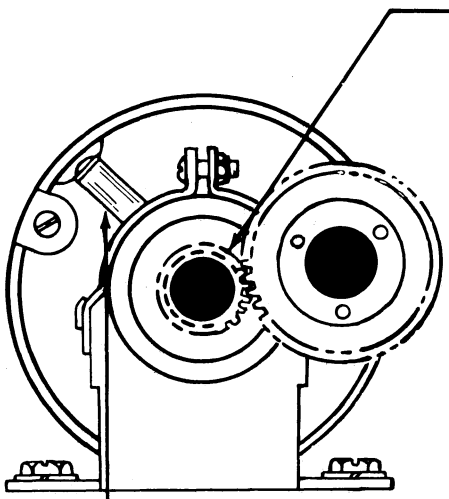


(Bottom View)



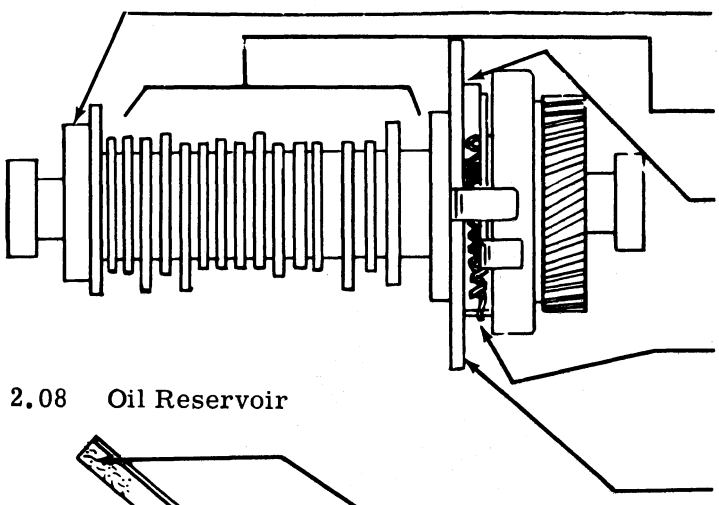
(Front Top View)

2.06 Gear Train



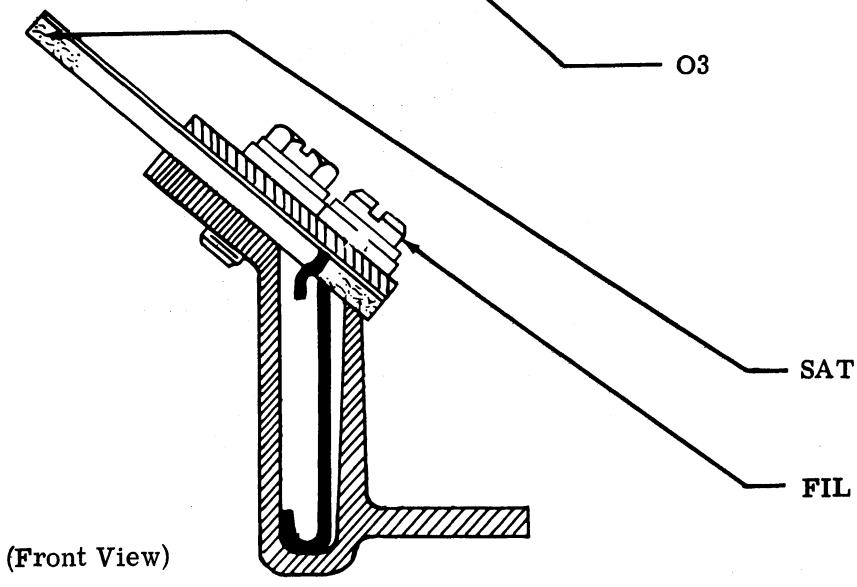
G	Teeth	Motor Pinion
O6	Ball Oiler	Motor Bearing (Each End)

2.07 Main Shaft



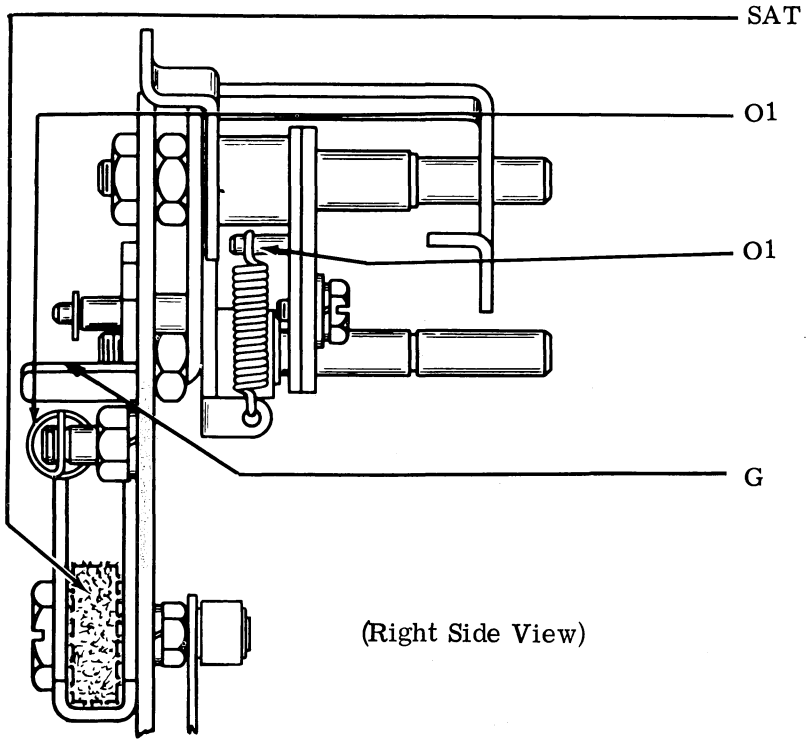
O2	Camming Surface	Driving Arm Cam
O1	Camming Surfaces	Cam Sleeve
SAT	Internal Mechanism and Felt Wick	Clutch
G	Hooks (Each End)	Clutch Shoe Lever Spring
O3	Camming Surface	Clutch Disc

2.08 Oil Reservoir



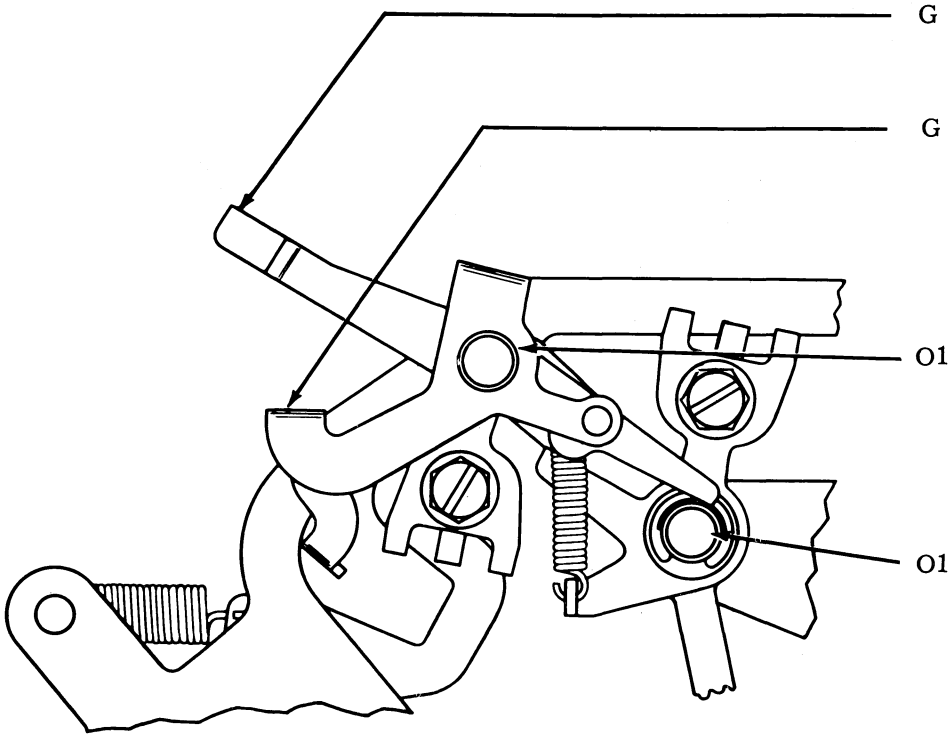
SAT	Leather Wick	Cam Oiler
FIL	Reservoir	Cam Oiler

2.09 Center Plate Assembly



Felt Washer	Ratchet Detent Bail
Hooks (Each End)	Detent Bail Spring
Hooks (Each End)	Tight-Tape Arm
Engaging Surface	Start-Stop Bail Extension

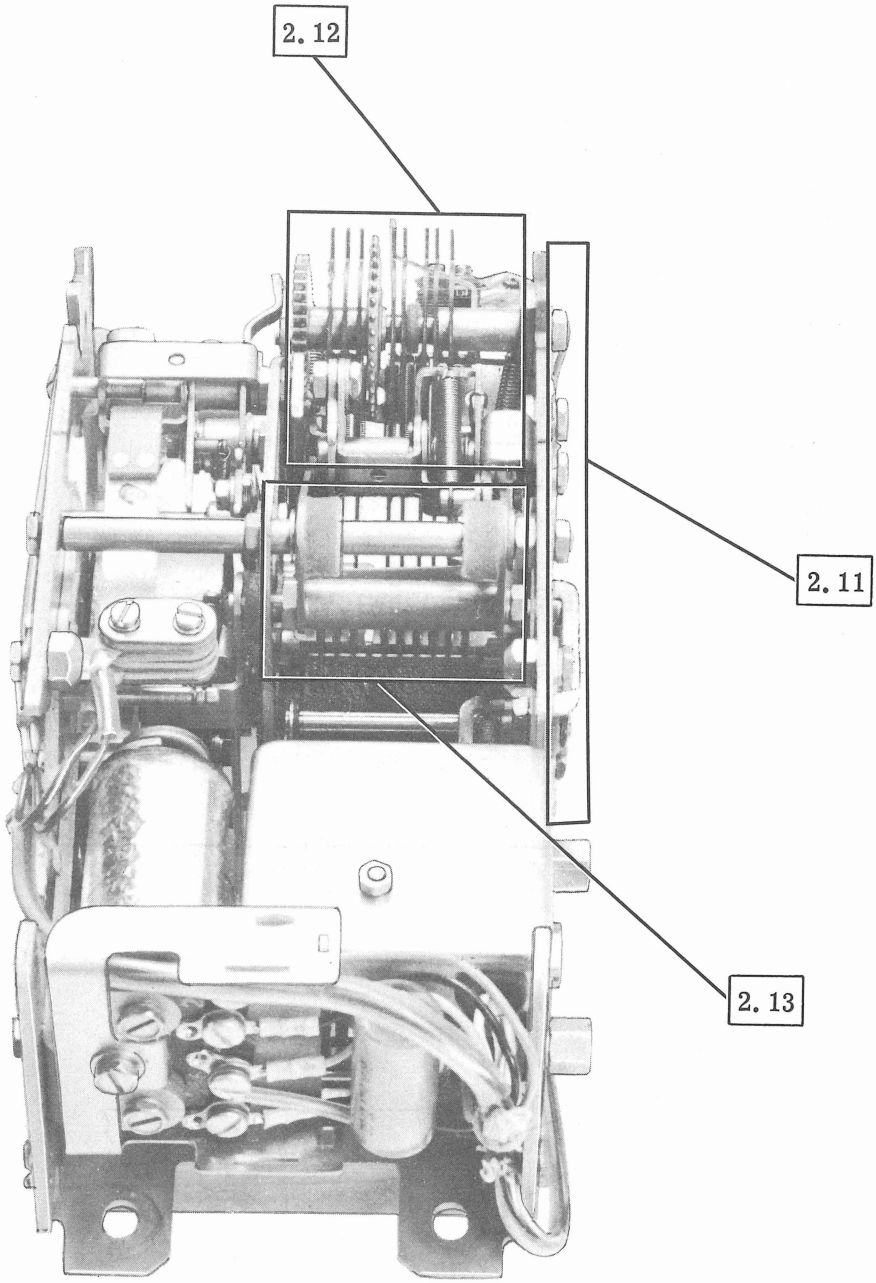
(Right Side View)



Engaging Surface	Tight-Tape Arm
Engaging Surface	Start-Stop Bail
Bearing Surface	Start-Stop Bail
Bearing Surface	Yield Arm

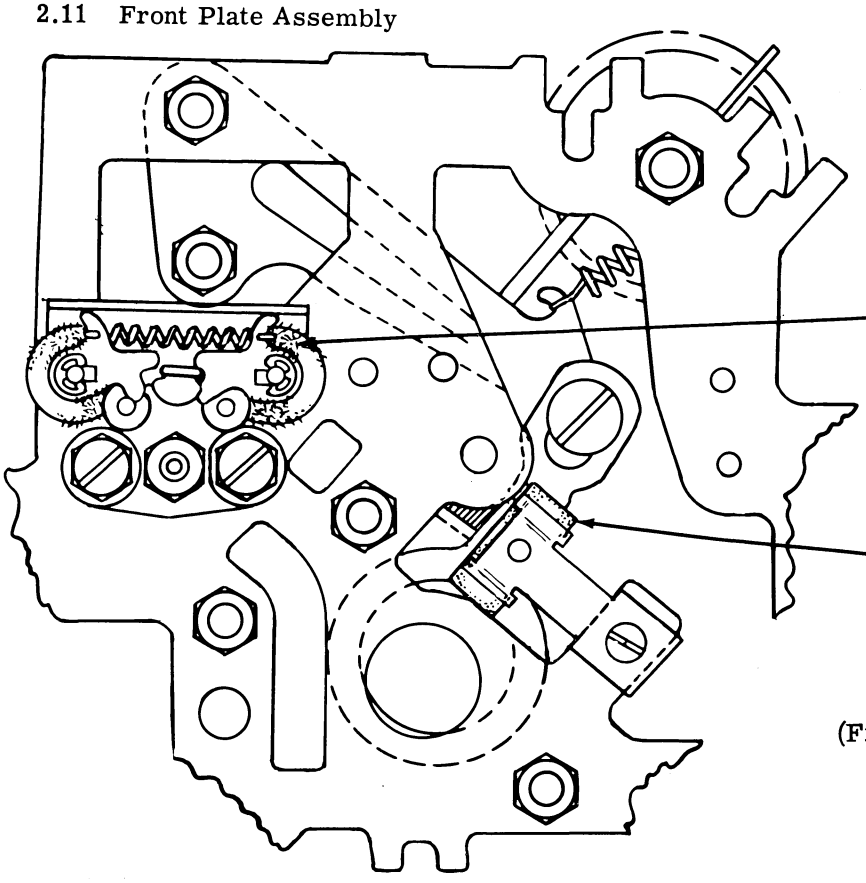
(Rear View)

2.10 Transmitter Distributor



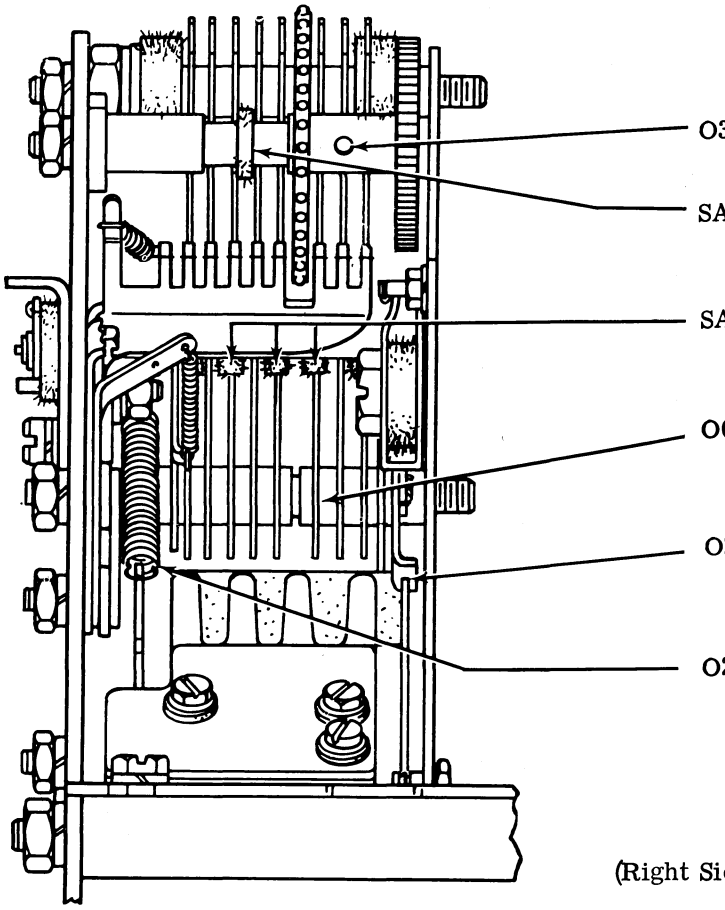
(Left Top View)

2.11 Front Plate Assembly



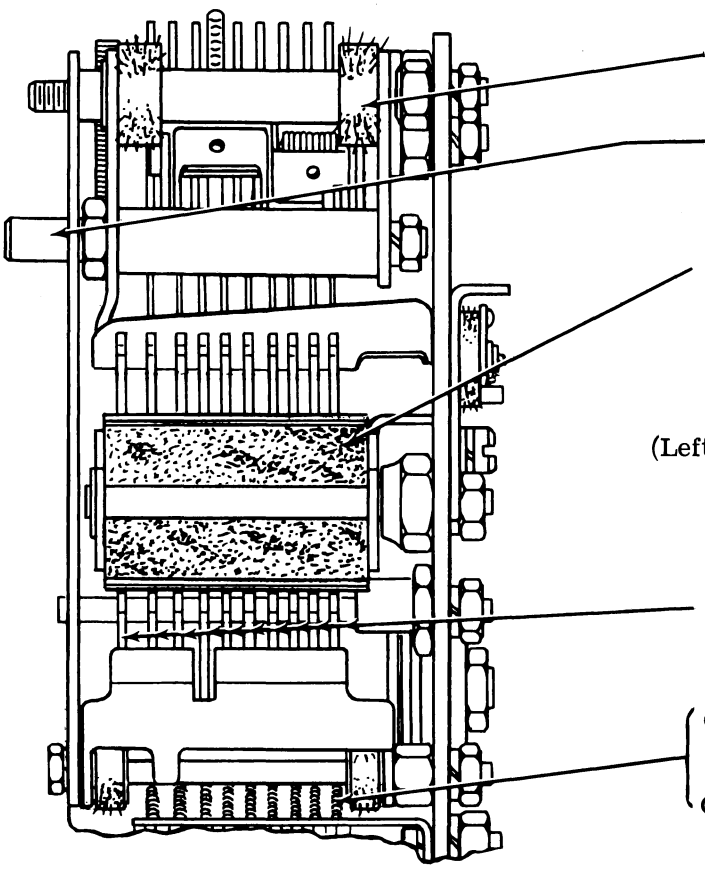
(Front View)

2.12 Sensing and Feed Mechanism



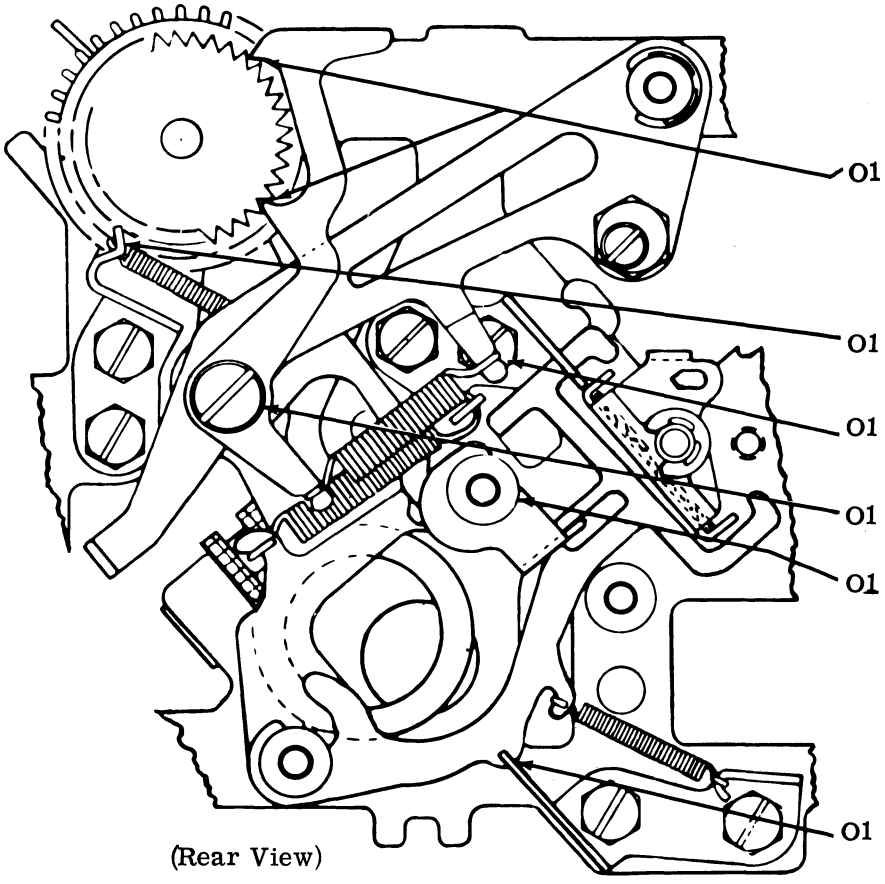
(Right Side View)

2.13 Transfer Mechanism



(Left Top View)

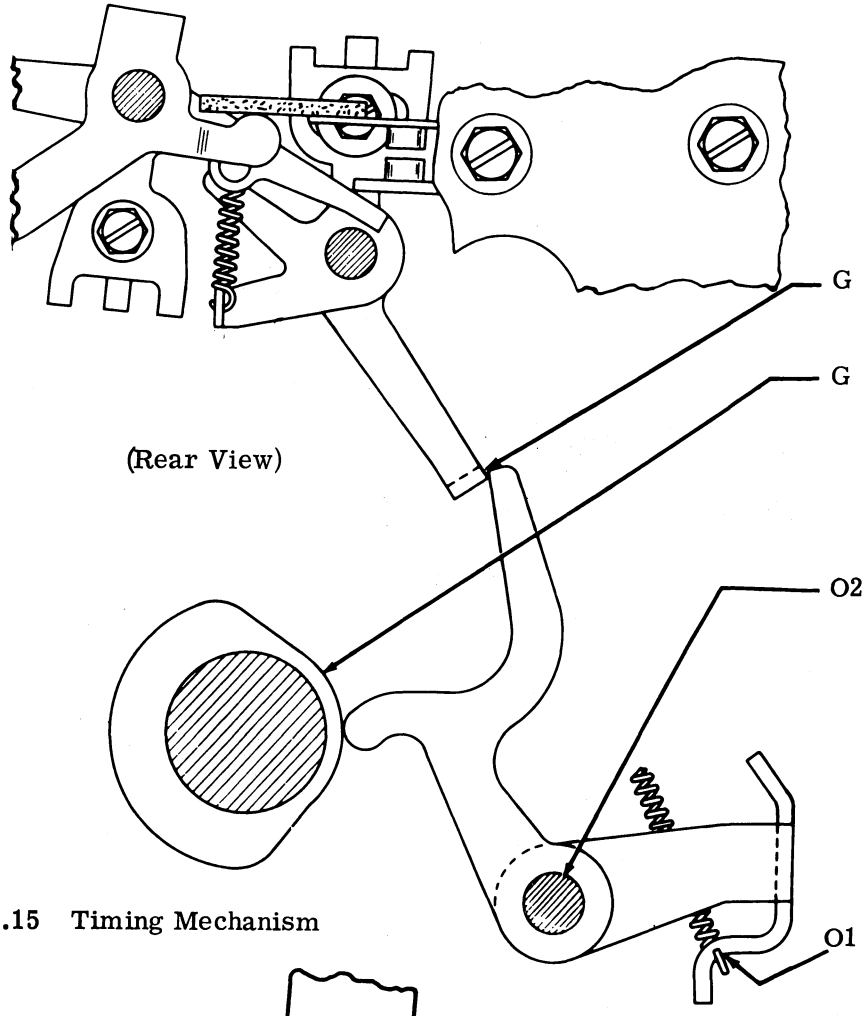
SAT	Each Felt Washer	Main Bail Pivots
G	Sliding Surface	Bail Drive Post
SAT	Leather Pad	Transfer Bail
O1	Sliding Surfaces	Transfer Levers
O1	Hooks (Each End)	Transfer Lever Springs
O1	Hooks (Each End)	Locking Bail Spring



(Rear View)

O1	Teeth	Feed Pawl and Ratchet Wheel
O1	Hooks (Each End)	Main Bail Spring
O1	Hooks (Each End)	Feed Pawl Spring
O1	Sliding Surface	Feed Pawl Pivot
O1	Engaging Surface	Locking Bail
O1	Sliding Surface	Transfer Levers

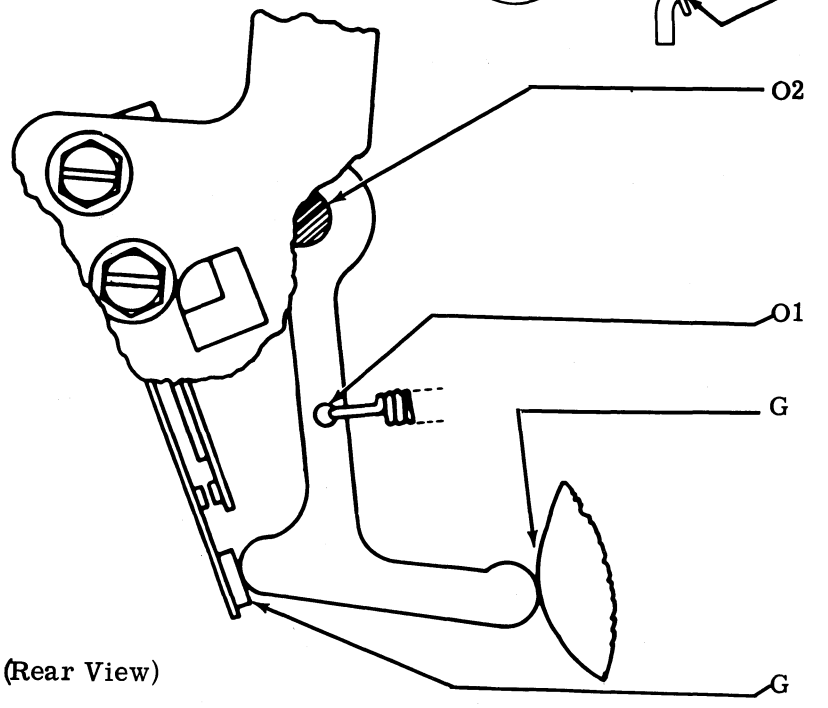
2.14 Rubout Sensing Mechanism



(Rear View)

G	Engaging Surface	Timing Arm
G	Light Film	Timing Cam
O2	Bearing Surface	Timing Bail
O1	Hooks (Each End)	Spring

2.15 Timing Mechanism

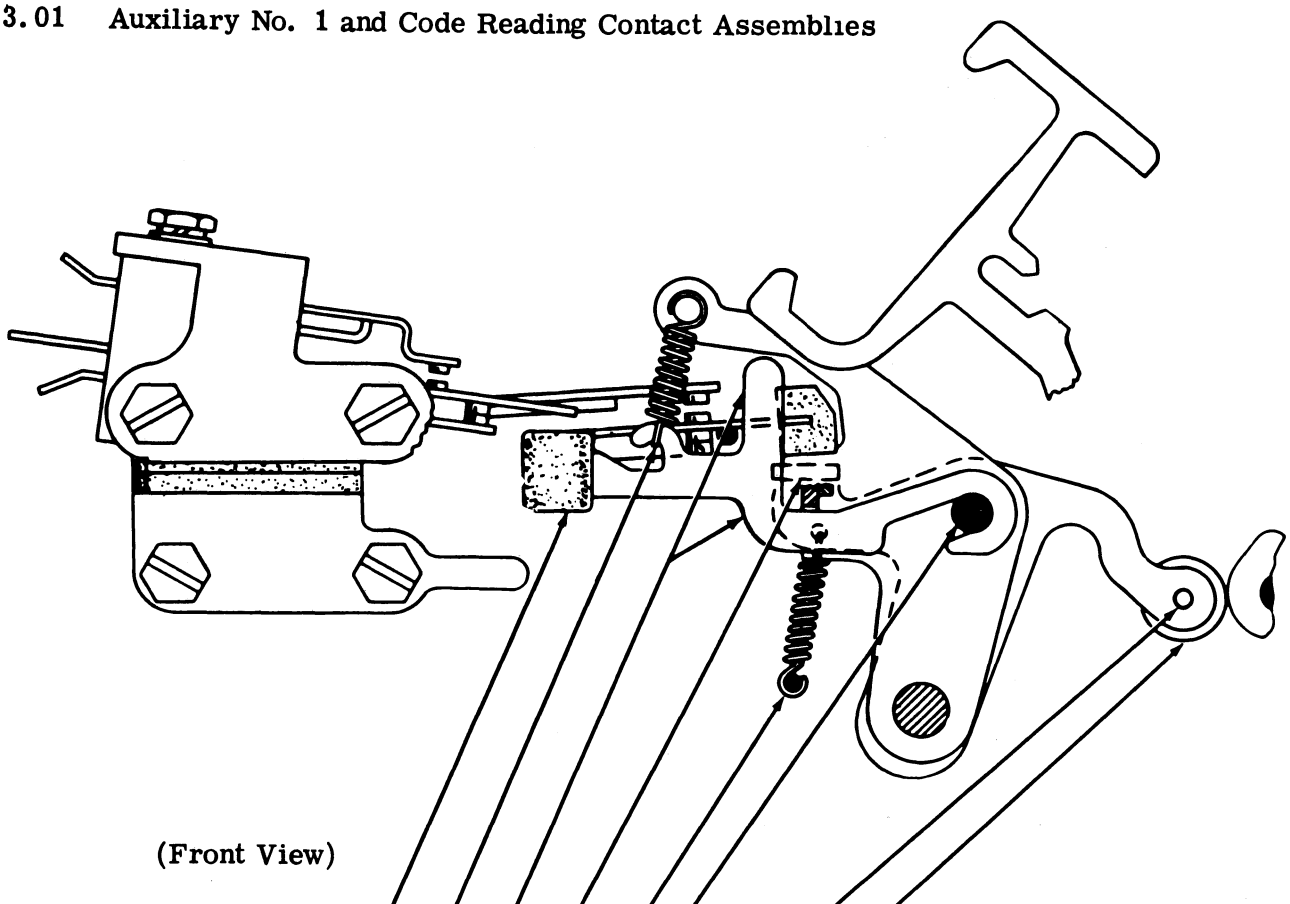


(Rear View)

O2	Bearing Surface	Cam Follower
O1	Hooks (Each End)	Spring
G	Light Film	Cam
G	Insulator Surface	Swinger

3. VARIABLE FEATURES

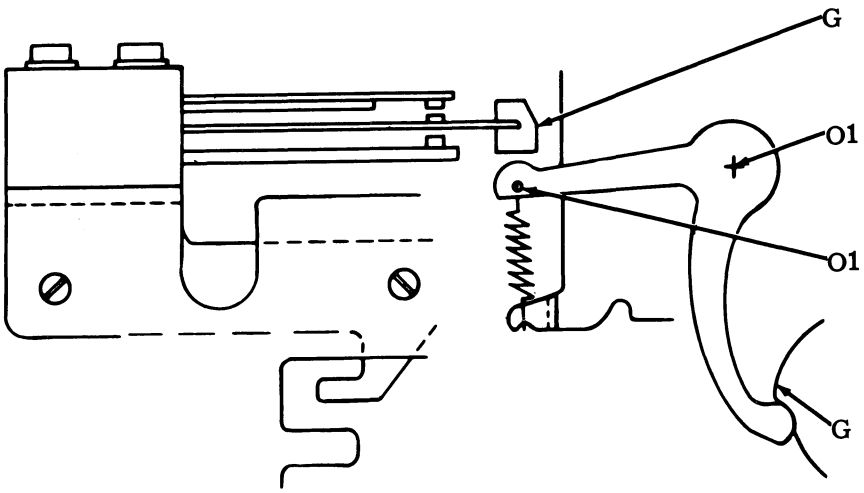
3.01 Auxiliary No. 1 and Code Reading Contact Assemblies



(Front View)

G	Bearing Surface	Split Bail Roller
O1	Bearing Surface	Split Bail Roller
O1	Bearing Surface (Each End)	Split Bail
O1	Each Loop	Spring
G	Contact Surface	Insulator
O1	Contacting Surface	Sensing Arm
O1	Each Loop	Spring
G	Contact Surface	Insulator

3.02 Auxiliary No. 2 Contact Assembly



(Front View)

Contact Surface — Insulator

Pivot Point — Cam Follower

Each Loop — Spring

Cam Surface — Auxiliary No. 2 Contact Cam