37 NONTYPING REPERFORATOR

YRPE808 AND YRPE809

LUBRICATION

CONTENTS PAGE

1. GENERAL

1.01 This section provides lubrication procedures for the late design Model 37 nontyping reperforator. Information for the early design nontyping reperforator is given in Section 574-329-701.

1.02 Photographs are used to show the general areas of lubrication. The paragraph numbers shown on the figures refer to specific lubrication areas. Each paragraph consists of one or more line drawings and descriptive text that cover precise lubrication points.

1.03 References made to left or right, front or rear, and top or bottom apply to the nontyping reperforator in a normal operating position and viewed by the operator facing the punch.

1.04 Lubricate the nontyping reperforator before placing it in service and just prior to putting it in storage.

1.05 The unit should be relubricated after 200 hours of operation or four weeks, whichever comes first. Thereafter, lubricate all

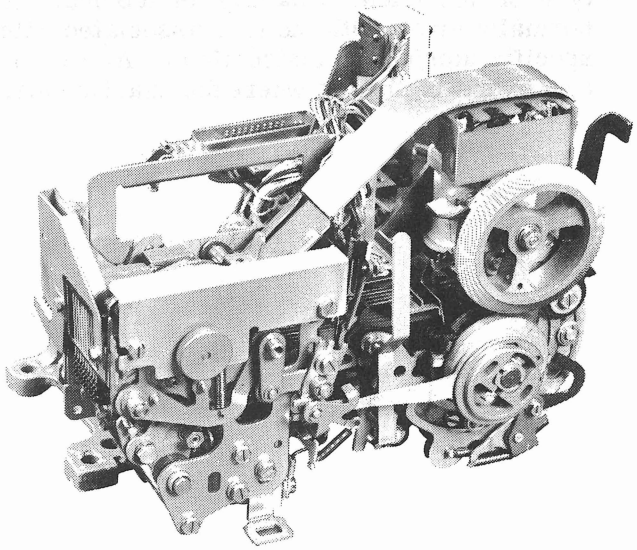


Figure 1 - 37 Nontyping Reperforator

Prepared for American Telephone and Telegraph Company by Teletype Corporation

mechanisms of the reperforator according to the following schedule:

Operating Speed	Lubrication Interval
100 wpm	2000 hours or 6 months*
150 wpm	1500 hours or 6 months*

*Whichever occurs first.

CAUTION: DISCONNECT ALL AC POWER CORDS BEFORE PERFORMING ANY PROCEDURE.

1.06 The following list of symbols applies to the specific lubrication instructions given in each paragraph.

Symbol	Meaning
O	Oil with KS7470 oil as instructed.
G	Apply KS7471 grease.
D	Apply no lubricants. Keep dry.
GO	Apply a thin coat of a mixture containing equal parts of grease and oil.

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.

1.07 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: Care should be exercised to prevent lubricants from getting between armature and pole faces or between electrical contact points.

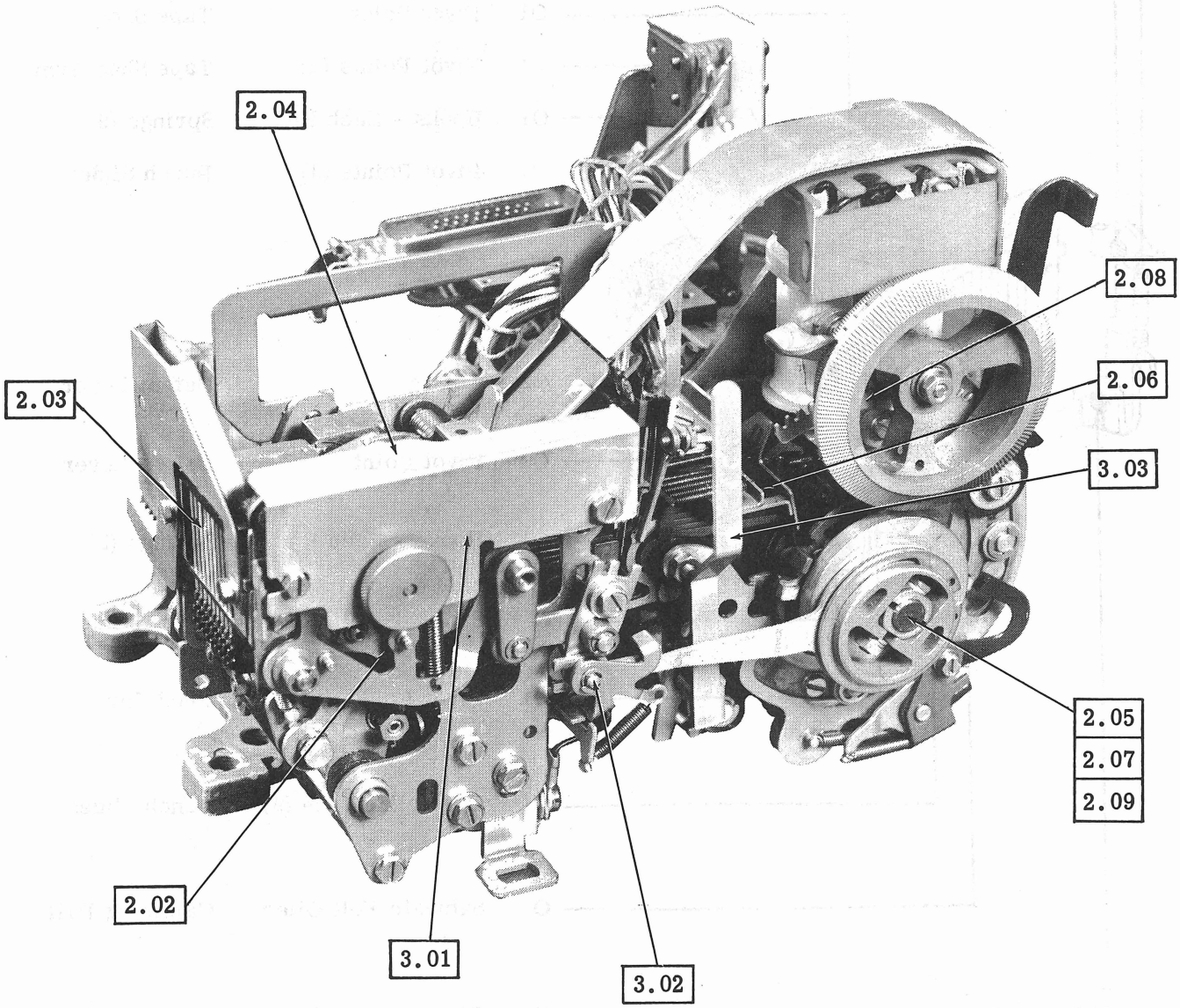
1.08 In general, oil should be used in such locations as hollow shafts, wicks, and in most locations where parts rub, slide, or move with respect to each other. Grease should be used on gear teeth and points of heavy pressure. Capillary action and vaporization tend to keep a film of oil on the mechanisms. This prevents rust and provides sufficient lubrication to many points.

1.09 Refer to Section 570-005-800 covering tools used and also a description of various lubricants used on the nontyping reperforator.

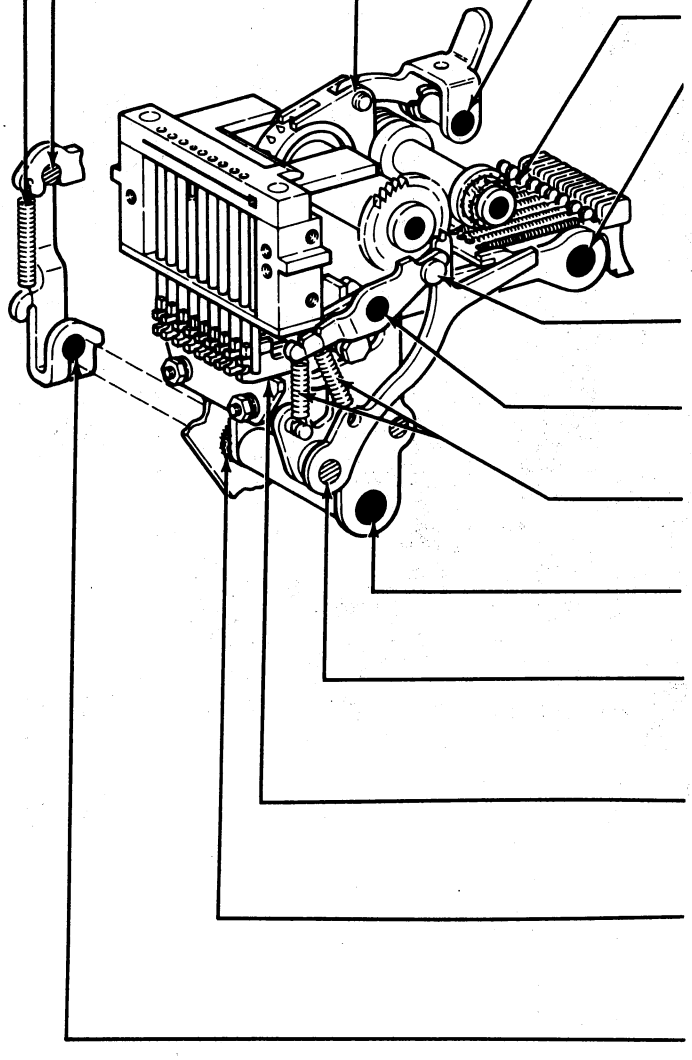
1.10 Protective pad TP124828 should be used to protect furniture and floor coverings from grease, oil, and dirt while lubricating the unit.

2. BASIC UNIT

2.01 Nontyping Reperforator (Right Front View)



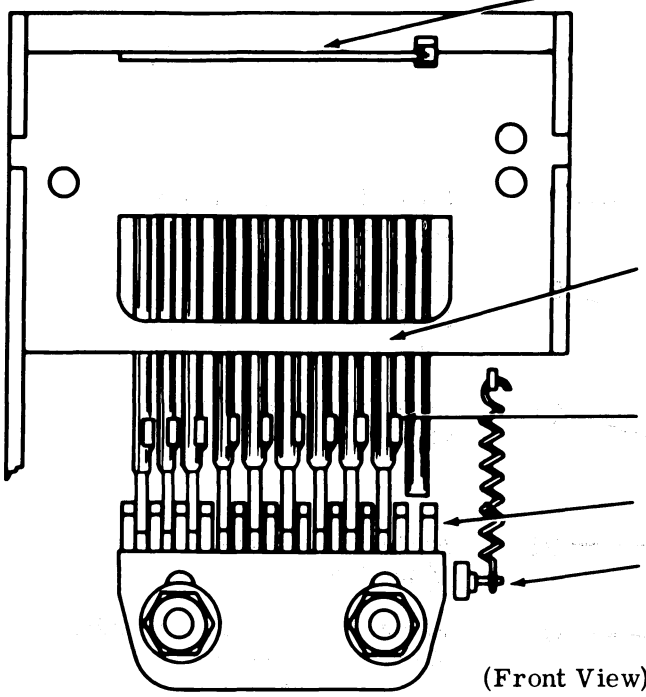
2.02 Perforator Mechanism



O	Saturate Felt Wick	Drive Link Spring
O1	Pivot Points (2)	Punch Drive Link
O1	Pivot Point	Tape Shoe
O1	Pivot Points (2)	Tape Shoe Arm
O1	Hooks - Each End	Springs (9)
O1	Pivot Points (9)	Punch Slides
O2	Roller	Detent Lever
O1	Pivot Point	Detent Lever
O1	Hooks - Each End	Springs (2)
O	Saturate Felt Oiler	Pivot Point
O1	Pivot Points (2)	Feed Pawl
O1	Contact Surface (9)	Punch Slides
O	Saturate Felt Oiler	Camming Bail
O1	Pivot Points (2)	Rocker Bail

(Right Front View)

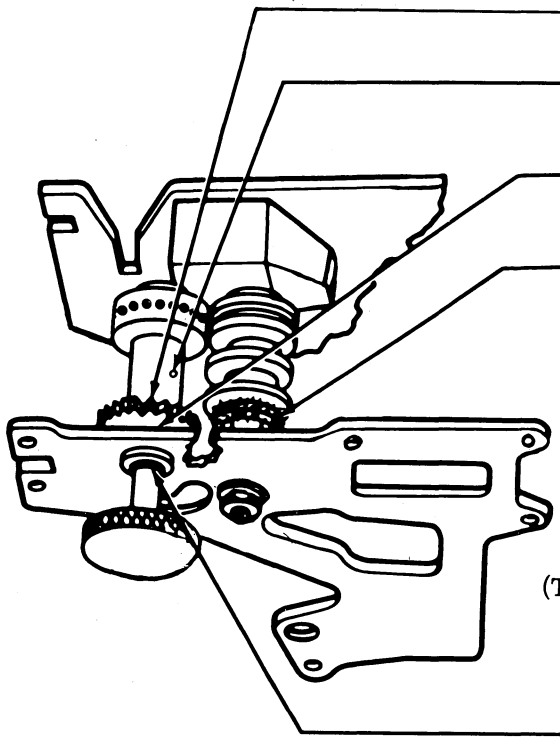
2.03 Punch Mechanism



O1	Sliding Surface (9) (Upper Guide)	Punch Pin
O1	Sliding Surface (9) (Lower Guide)	Punch Pin
O1	Sliding Surface (9)	Punch Pin
O1	Sliding Surface (9)	Punch Slide Guide
O1	Hooks - Each End	Spring

(Front View)

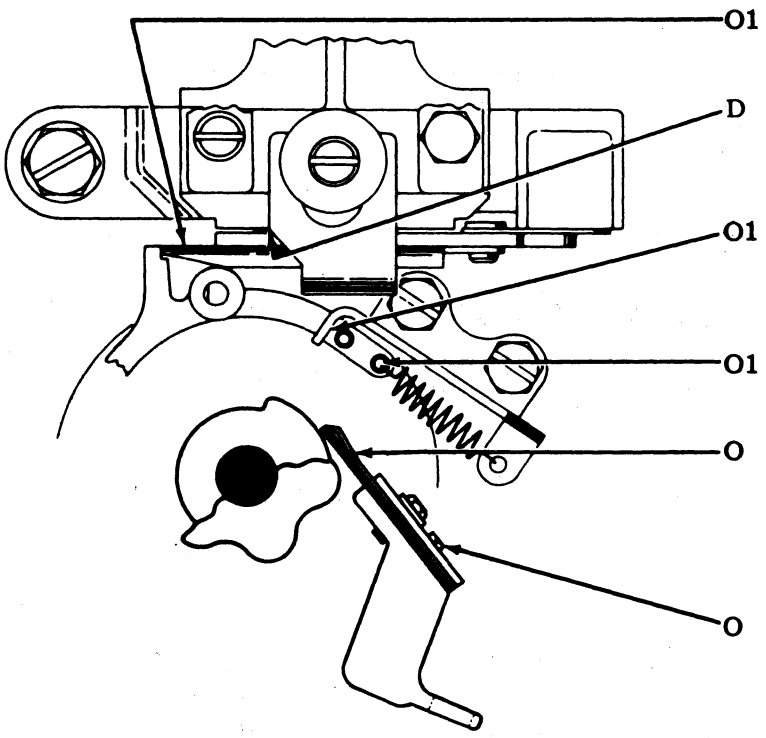
2.04 Feed Mechanism



GO	Ratchet Teeth	Feed Wheel
O1	Oil Hole	Feed Wheel
O	Saturate Felt Oiler (Pivot Point)	Feed Wheel
O	Saturate Felt Oiler (Pivot Point)	Die Wheel
O2	Pivot Points (2)	Handwheel Bearing

(Top Right Side View)

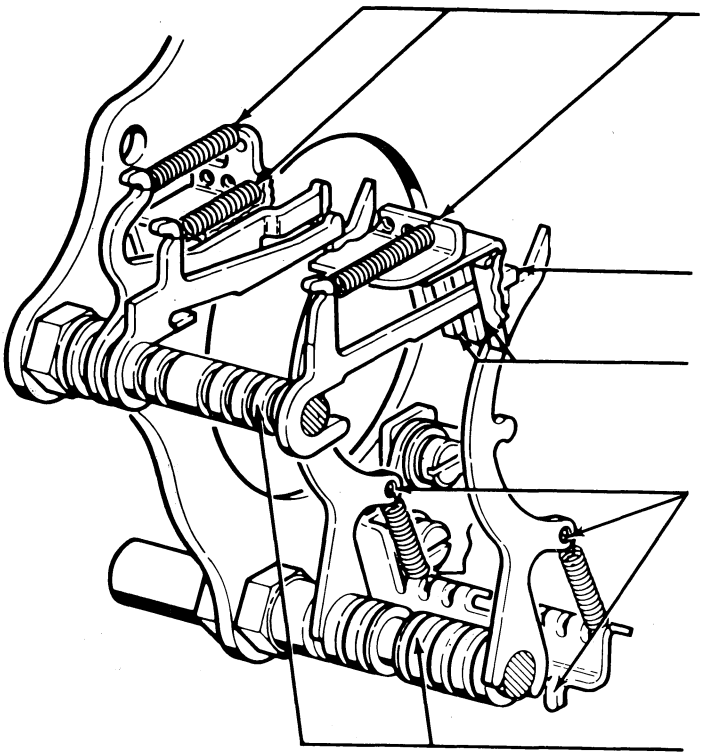
2.05 Selector Cam Lubricator and Marking Locklever



O1	Contact Surface	Armature Extension
D	Contact Surface	Front Button
O1	Guide Slot	Marking Locklever
O1	Hooks (Each End)	Spring
O	Saturate Wick	Cam Lubricator Wick
O	Fill Reservoir	Cam Lubricator

(Right Side View)

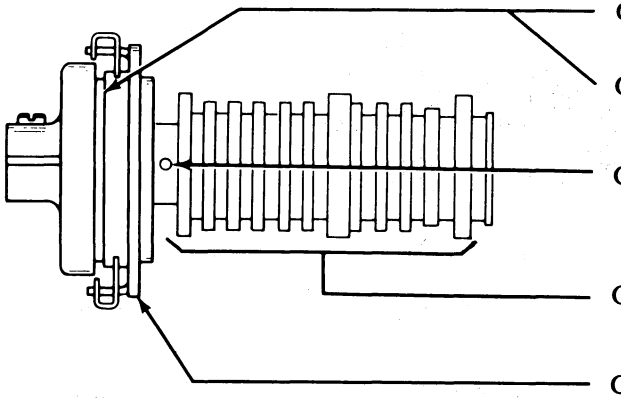
2.06 Selector Locklevers and Pushlevers



(Right Side View)

O1	Hooks (Each End)	Springs (11)
O1	Engaging Surfaces	Pushlevers (8)
O1	Guide Slots	Start and Lock-levers, Selector and Pushlevers
O1	Hooks (Each End)	Springs (12)
O2	Bearing Guide Slots	Push and Selector Levers Guide Bearings

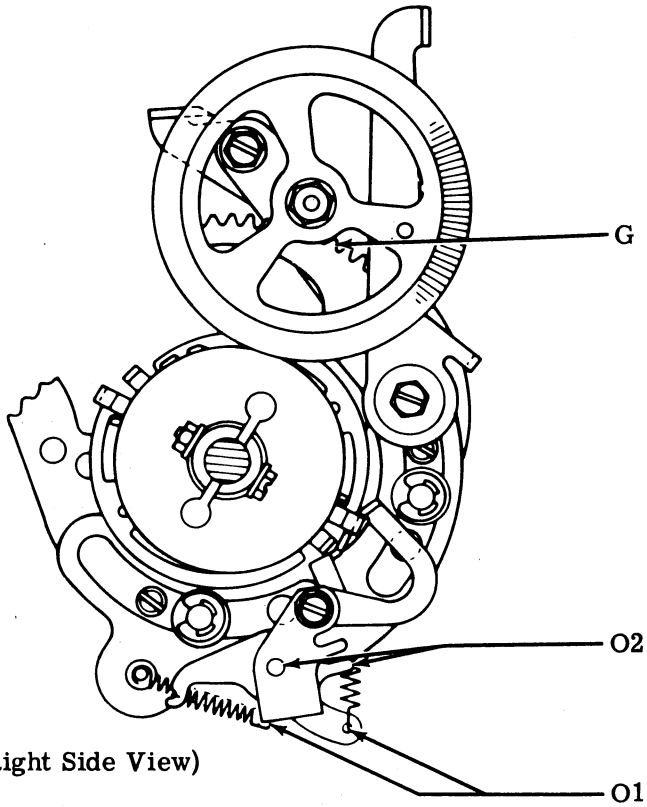
2.07 Selector Cam-Clutch



(Rear View)

O	Saturate Felt Wick	Selector Clutch
O4	Internal Mechanism	Selector Clutch
O2	Oil Holes (2)	Cam Sleeve Bearing
O2	Camming Surfaces	Selector Cams
O2	Camming Surfaces	Clutch Disc

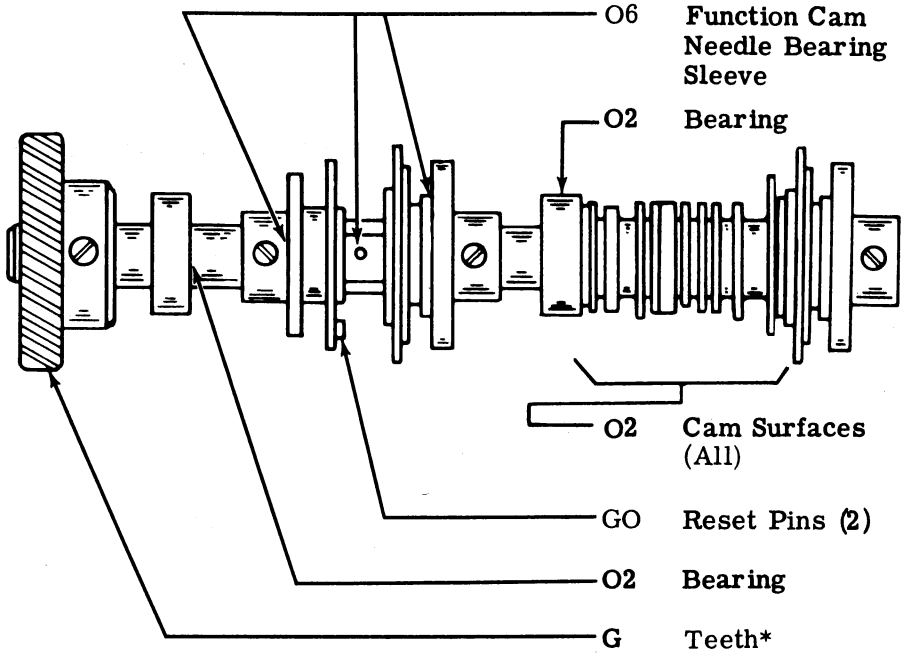
2.08 Range Finder Mechanism



(Right Side View)

G	Light Film on Teeth	Range Finder Pinion Gear and Rack
O2	Bearing Surface	Clutch Trip and Latch-levers, Lift Lever
O1	Hooks (Each End)	Springs (3)

2.09 Main Shaft Mechanism

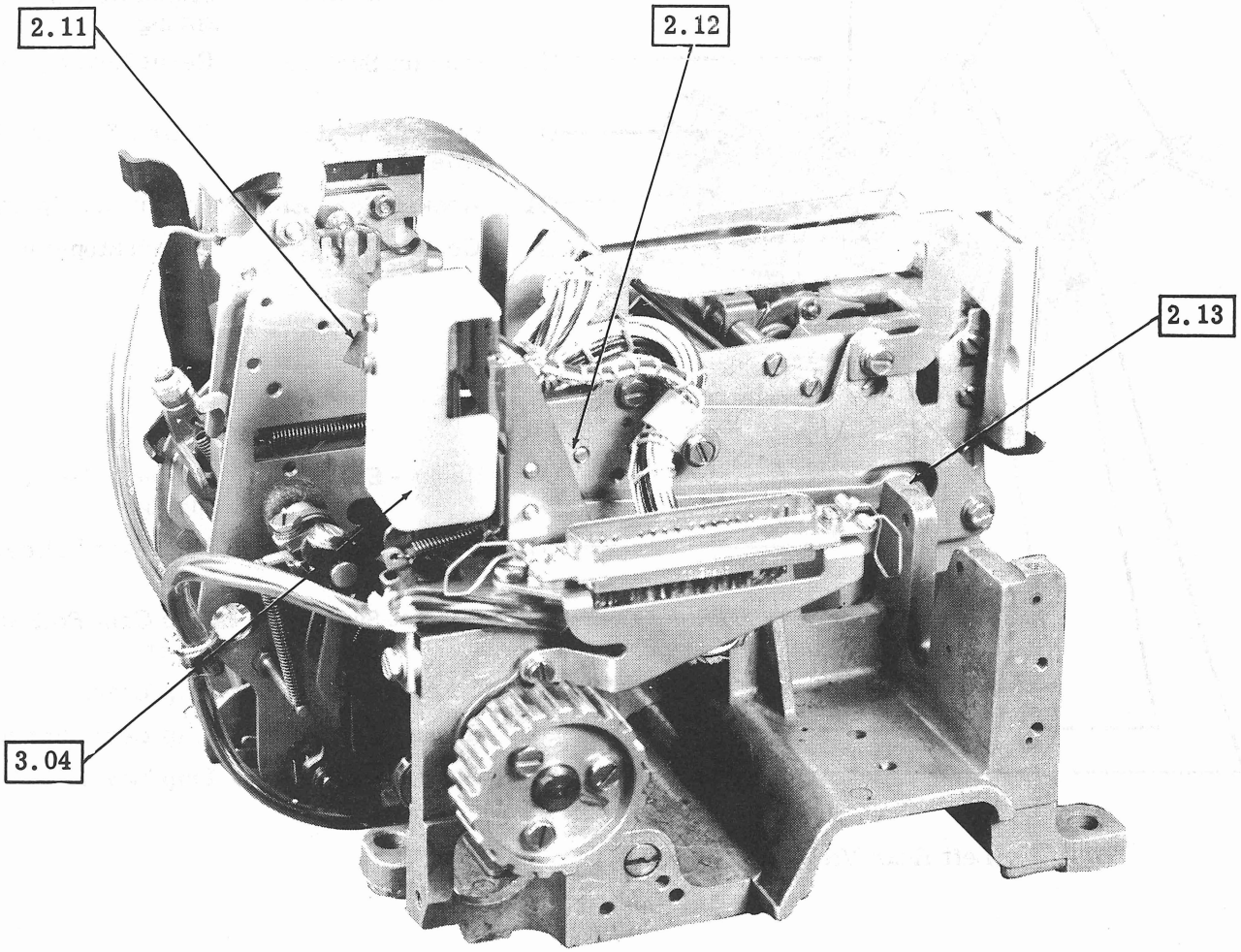


(Left Side View)

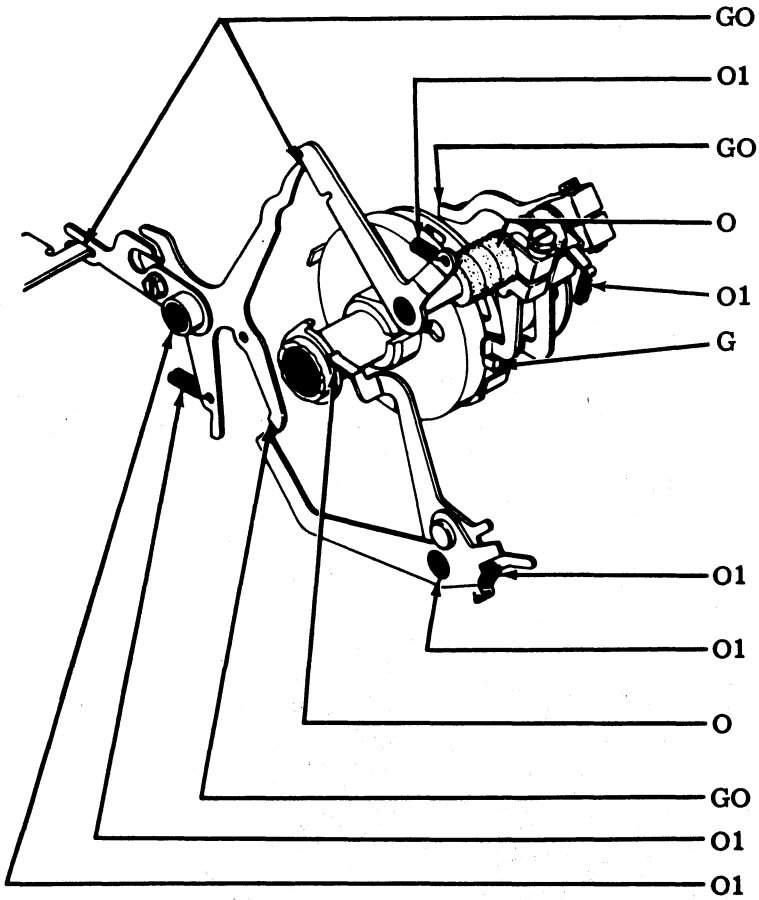
O6	Function Cam Needle Bearing Sleeve	Both Ends of Sleeve and Oil Hole in Center
O2	Bearing	Main Shaft
O2	Cam Surfaces (All)	Selector Cam
GO	Reset Pins (2)	Function Cam
O2	Bearing	Main Shaft
G	Teeth*	Driven Gear

*Note: Do not lubricate when unit is equipped with a belt driven sprocket.

2.10 Nontyping Reperforator (Left Rear View)



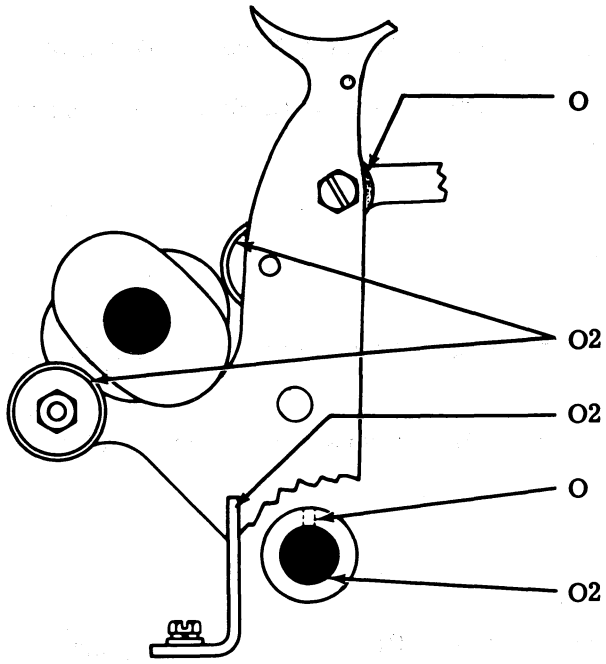
2.11 Clutch Trip Mechanism



GO	Contact Points (2)	Trip Lever
O1	Hooks - Each End	Clutch Release Spring
GO	Contact Surface	Reset Lever
O	Saturate Felt Oilers	Clutch Trip Shaft
O1	Hooks - Each End	Latchlever Spring
G	Contact Surface	Clutch Stop-Lug
O1	Hooks - Each End	Follower Lever Spring
O1	Pivot Point	Trip Cam Follower Lever
O	Contact Surface	Trip Cam Follower Lever
GO	Contact Point	Trip Lever
O1	Hooks - Each End	Trip Lever Spring
O1	Pivot Point	Trip Lever

(Left Rear View)

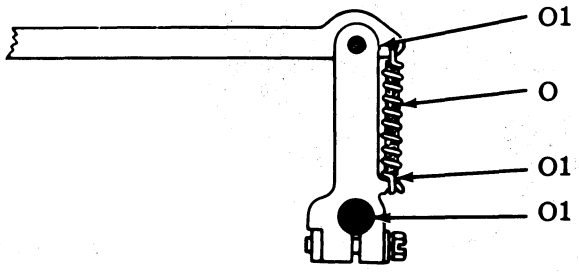
2.12 Rocker Bail Mechanism



O	Saturate Felt Wick	Drive Link Wick
O2	Rollers (2)	Rocker Bail Rollers
O2	Guide Slot	Rocker Bail Guide
O	Saturate Felt Wick – Use Oil Hole	Rocker Bail Shaft
O2	Pivot	Rocker Bail Shaft

(Left Side View)

2.13 Rocker Arm

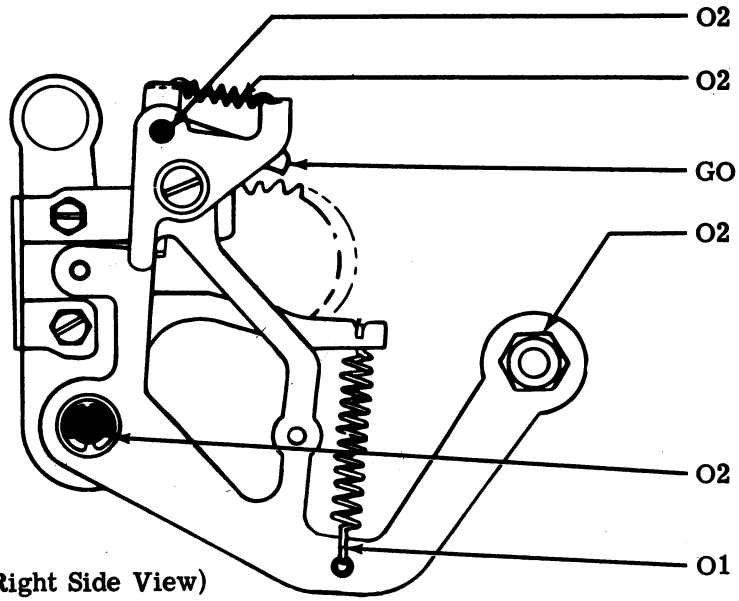


O1	Engaging Surface	Rocker Arm
O	Saturate Felt Wick	Rocker Arm
O1	Hooks - Each End	Spring
O1	Bearing Surface	Rocker Arm

(Left Side View)

3. VARIABLE FEATURES

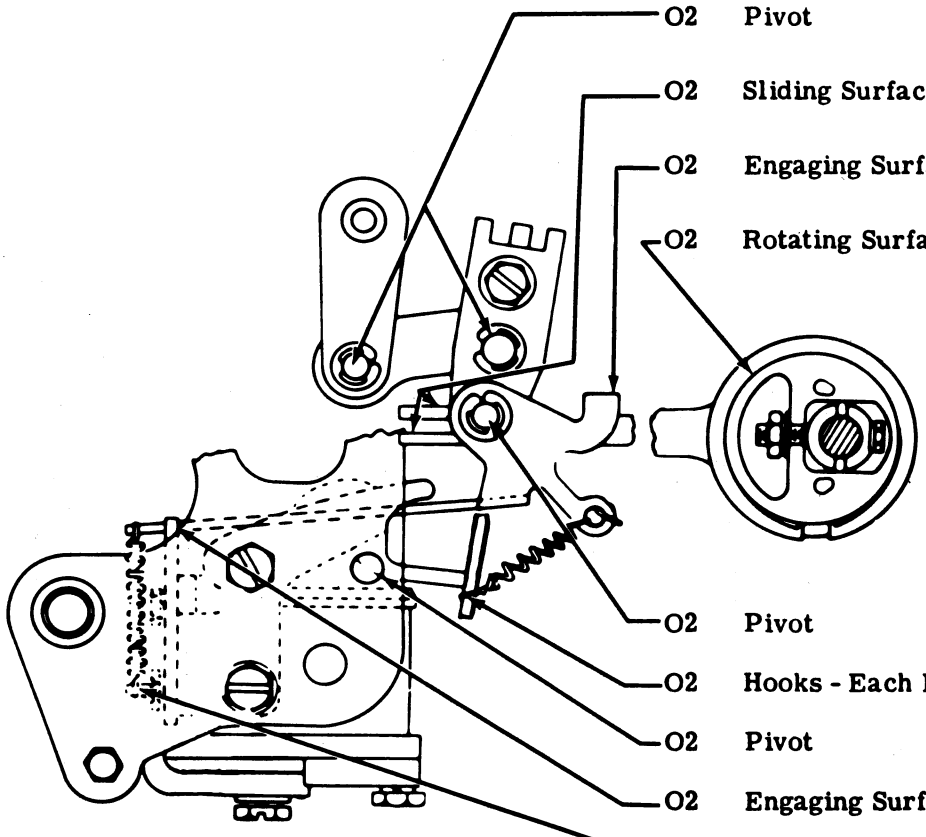
3.01 Manual Backspace Mechanism



O2	Bearing Surface	Backspace Pawl
O2	Hooks - Each End	Backspace Pawl Spring
GO	Feeding Surface	Backspace Pawl
O2	Bearing Surface	Shoulder Nut
O2	Pivot Post	Bellcrank
O1	Hooks - Each End	Bellcrank Spring

(Right Side View)

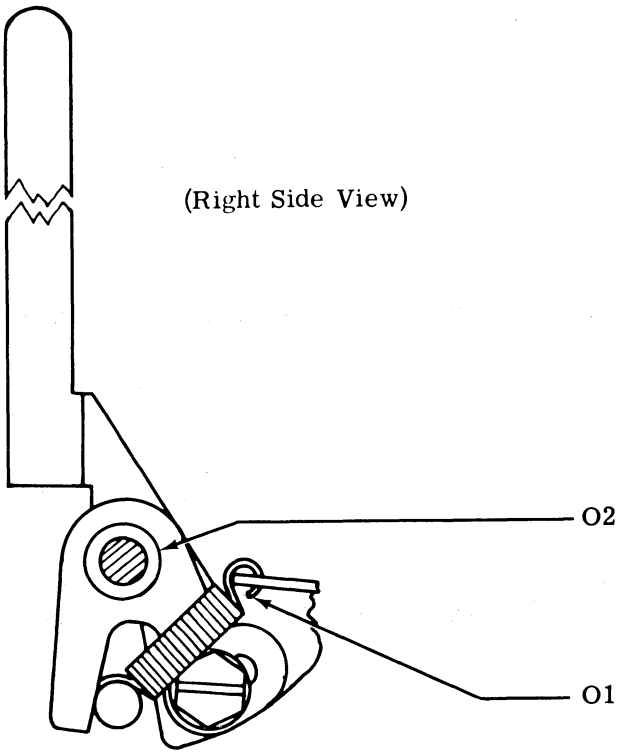
3.02 Power Drive Backspace Mechanism



O2	Pivot	Link
O2	Sliding Surface	Eccentric Link Fork
O2	Engaging Surface	Latchlever
O2	Rotating Surface	Eccentric
O2	Pivot	Latchlever
O2	Hooks - Each End	Latchlever Spring
O2	Pivot	Arm
O2	Engaging Surface	Armature
O2	Hooks - Each End	Armature Spring

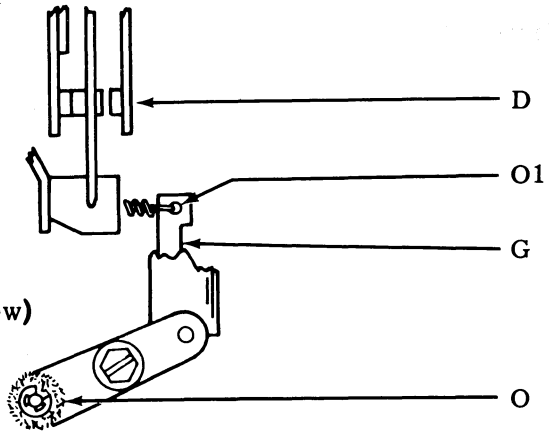
(Right Side View)

3.03 Manual Interfering Tape Feed-Out Mechanism



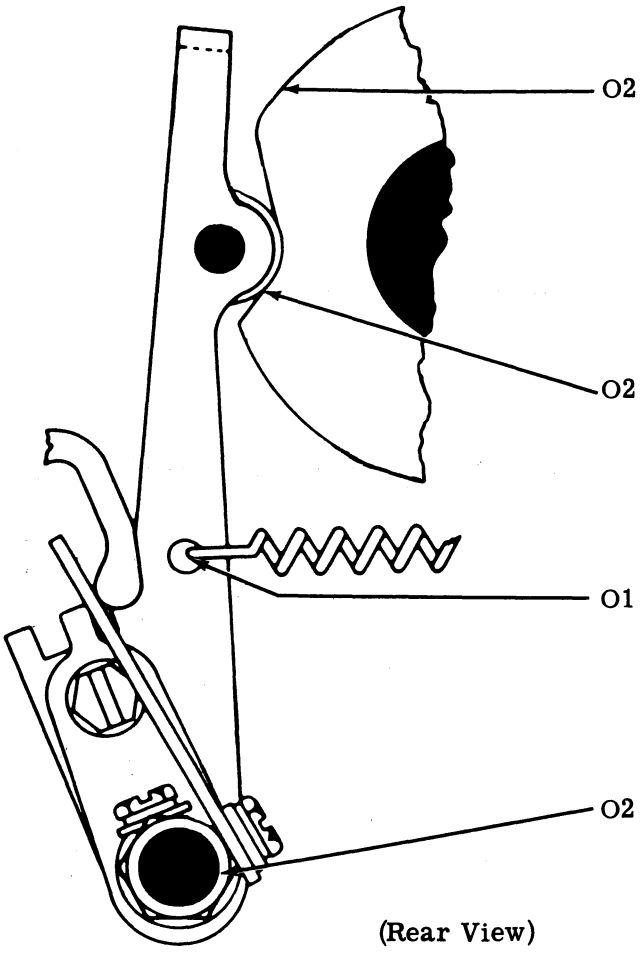
O2	Pivot	Hand Lever
O1	Hooks - Each End	Spring

3.04 Auxiliary Timing Contacts



D	Keep Lubricants Away From Contacts	
O1	Hooks - Each End	Spring
G	Light Film on Bail	Bail
O	Saturate Wick	Bail Shaft

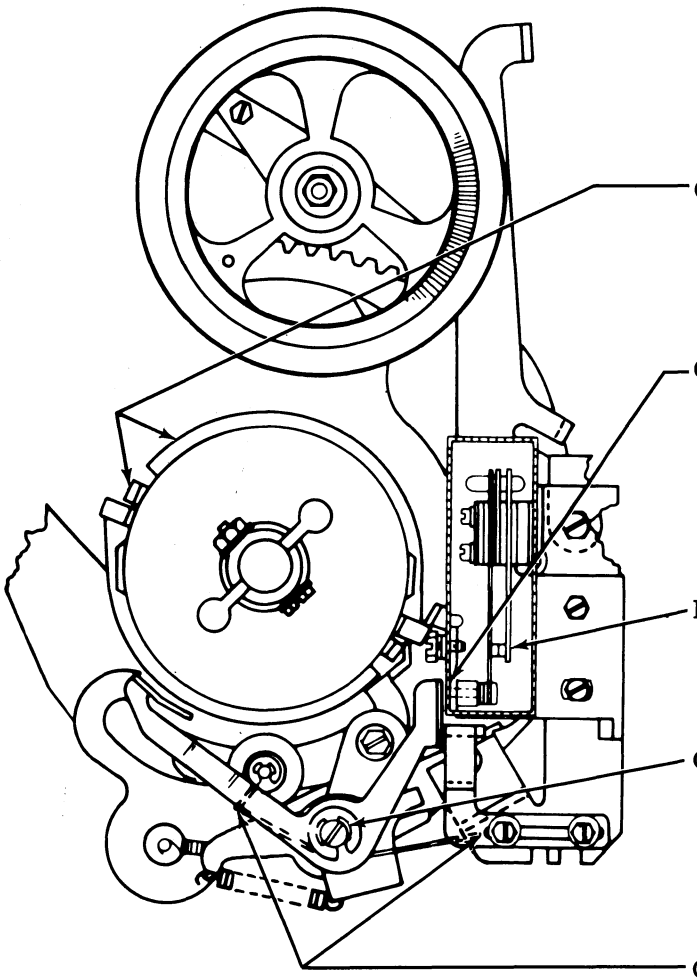
3.05 Remote Control Interfering Tape Delete Feed-Out Mechanism



O2	Camming Surface	Drive Cam
O2	Bearing Surface	Roller
O1	Hooks - Each End	Spring
O2	Bearing Surfaces	Bearings (Front and Rear)

(Rear View)

3.06 Character Received Contact Mechanism



GO	Light Film on Contact Surface	Clutch Cam
G	Light Film on Contact Surface	Contact Plunger
D	Keep Lubricants Away From Contacts	
O2	Engaging Surfaces (Each End of Lever)	Lever Bearing
O1	Engaging Surface (Each End)	Torsion Spring

(Right Side View)