28 TAPE HANDLING STAND (LTHS) AND REPERFORATOR TRANSMITTER BASE (LRXB) LUBRICATION

CONTENTS

1. GENERAL

1.01 The tape handling stand and reperforator transmitter base 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 tape handling stand and reperforator transmitter base prior to storing or placing it in service. After a few weeks in service relubricate to make certain that all points receive lubrication. Thereafter, the following schedule should be followed:

Operating Speed (WPM)	Lubrication Interval
60	3000 hr or 1 yr*
75	2400 hr or 9 mo*
100	1500 hr or 6 mo*
1000	150 hr or 1 mo*

*Whichever occurs first.

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

1.03 All spring wicks and felt oilers should be thoroughly lubricated. However, overlubrication, which will permit oil or grease to drip or be thrown on other parts, should be avoided.

CAUTION: DO NOT LUBRICATE THE TAPE WINDER REEL DRIVE GEAR OR PINION, OR THE TAPE WINDER AND TAPE SUPPLY REEL SHAFT BEARINGS ON THE TAPE HANDLING STAND. DO NOT LUBRICATE THE TAPE PULLER SHAFT NYLON BEARINGS IN THE TAPE STORAGE BIN.

1.04 Apply a thick film of grease to all gears and the spacing clutch reset cam plate.

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

CAUTION: SPECIAL CARE MUST BE TAKEN TO PREVENT ANY OIL OR GREASE FROM

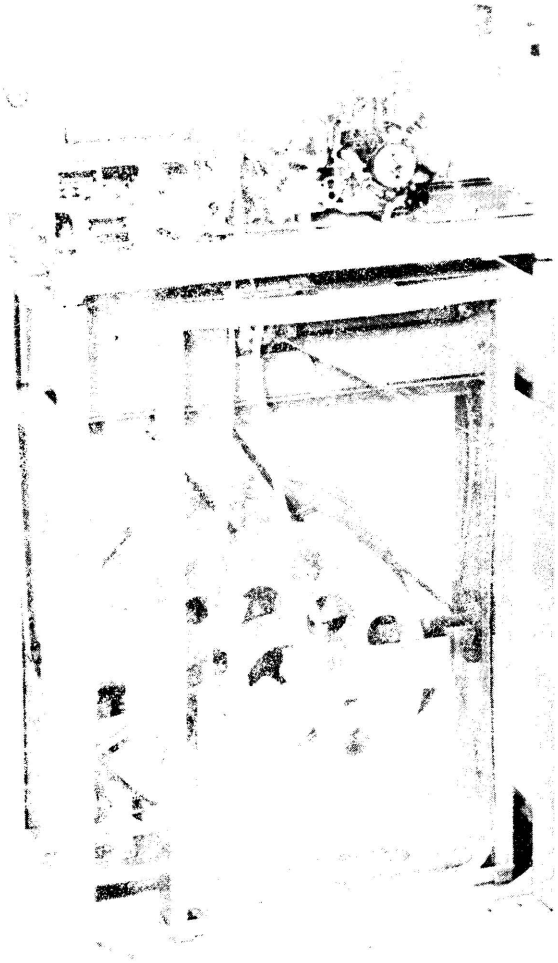
GETTING BETWEEN THE SELECTOR ARMATURE AND ITS MAGNET POLE FACES. KEEP ALL ELECTRICAL CONTACTS FREE OF OIL AND GREASE.

1.06 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.

Note: References made to left, right, top, bottom, front, or rear apply to the typing unit in its normal operating position as viewed by the operator facing the unit.

1.07 The following list of symbols apply to the specific lubrication instructions given in each paragraph.

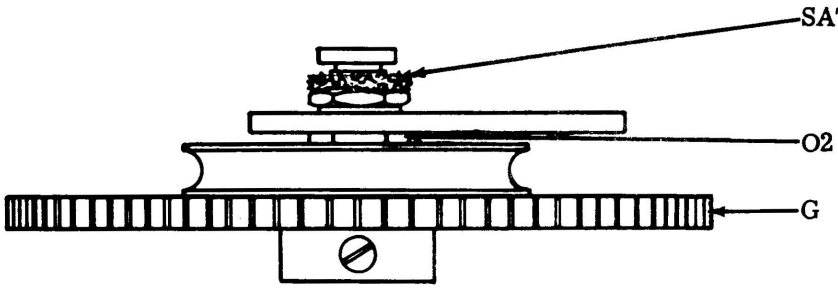
Symbol	Meaning
O1	Apply one drop of oil.
O2	Apply two drops of oil.
O3	Apply three drops of oil, etc.
G	Apply thin film of grease.
SAT	Saturate (felt oilers, washers, wicks) with oil.



Model 28 Reperforator Transmitter Set

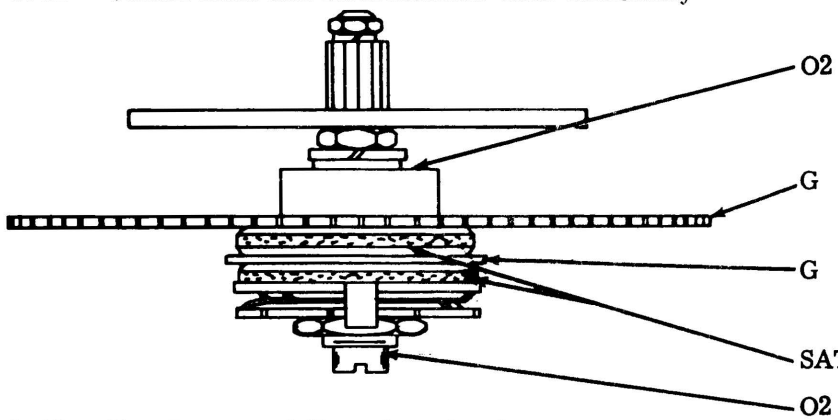
2. TAPE HANDLING STANDS

2.01 Drive Shaft Assembly



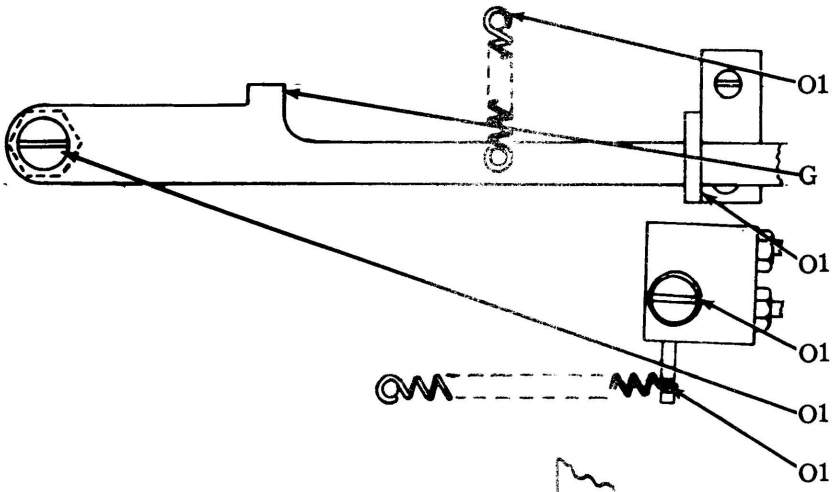
SAT	Felt Washer	Drive Shaft Bearing
O2	Bearing	Drive Shaft
G	Gear Teeth	Drive Shaft Gear

2.02 Clutch Shaft and Intermediate Gear Assembly



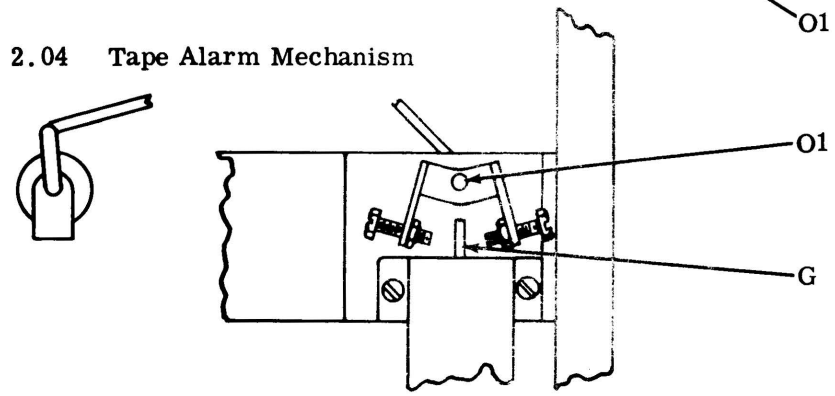
O2	Ball Bearing	Clutch Shaft Bearing
G	Gear Teeth	Intermediate Gear
G	Camming Surface	Stop Cam
SAT	Felt Washers	Clutch
O2	Bearing Surfaces (2 Places)	Clutch Shaft

2.03 Stop Lever and Tape Arm Mechanism



O1	Loops - Each End	Stop Lever Spring
G	Engaging Surface	Stop Lever Projecting Ear
O1	Guide Surface	Stop Lever Guide
O1	Pivot	Tape Arm
O1	Pivot	Stop Lever
O1	Loops - Each End	Tape Arm Spring

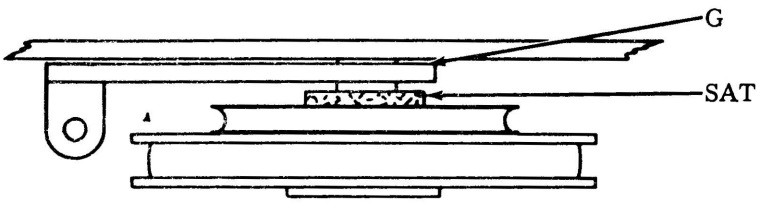
2.04 Tape Alarm Mechanism



O1	Pivots (2 Places)	Tape Supply Arm
G	Insulator (Both Sides)	Tape Alarm Switch

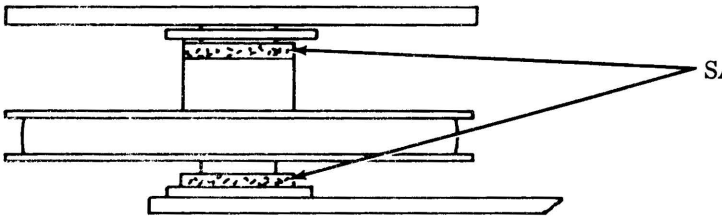
3. TAPE HANDLING STAND (HIGH SPEED ONLY)

3.01 Drive Shaft Assembly



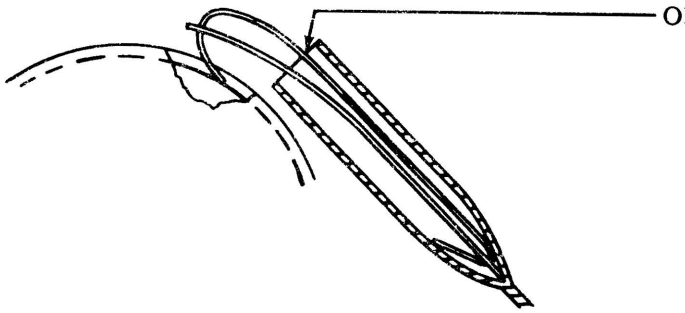
G	Surface	Tape Arm Lever
SAT	Felt Washer	Drive Shaft Bearing

3.02 Reel Drive Shaft Assembly



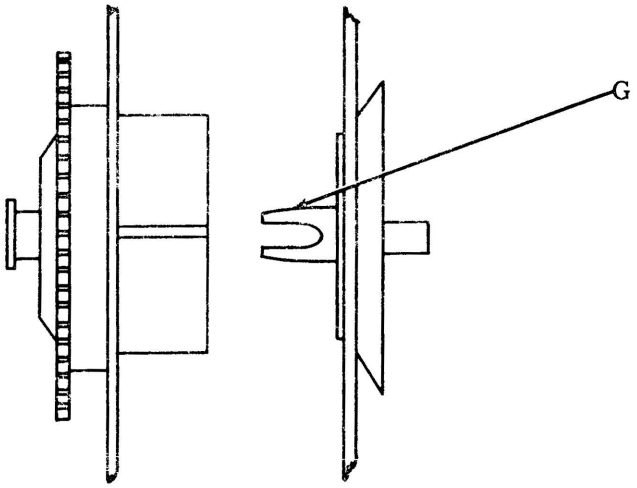
SAT	Felt Washers	Reel Drive Shaft Bearing

3.03 Oil Reservoir



O1	Oil Reservoir	Fill With Oil

3.04 Tape Winder Reel Assembly

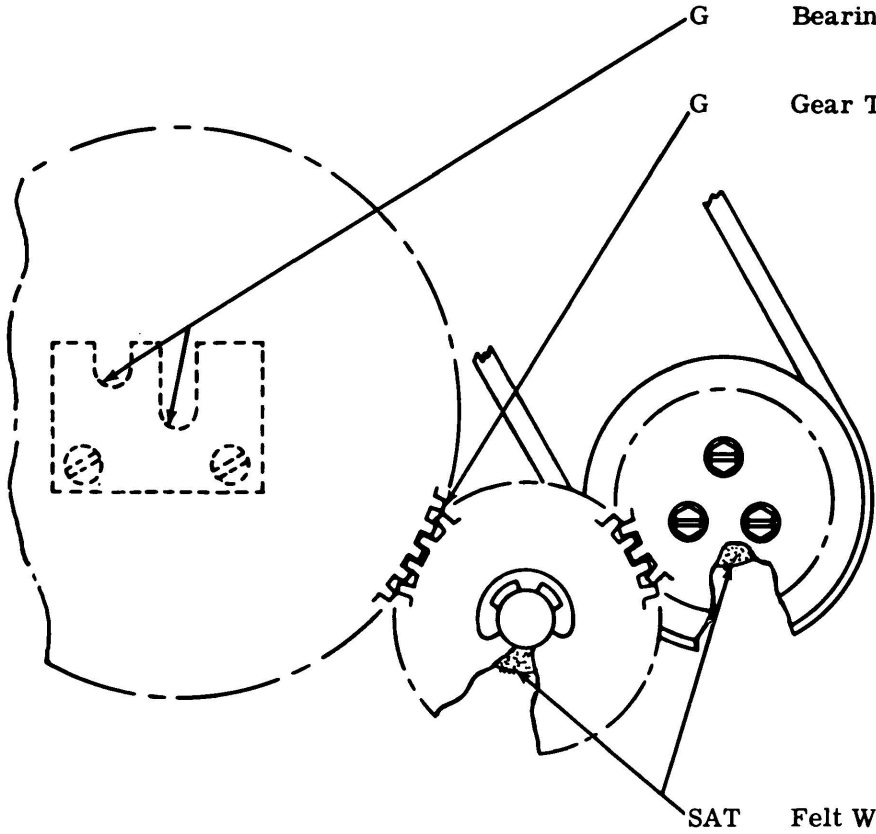


G	Camming Surface	Tape Winder Reel

3.05 Tape Alarm Mechanism - See 2.04, Tape Alarm Mechanism

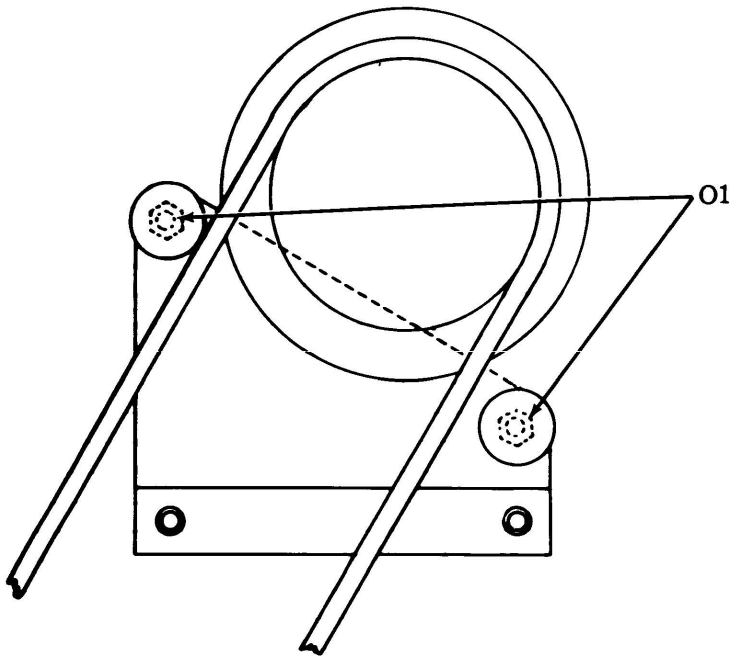
4. TAPE HANDLING STAND (V BELT DRIVE)

4.01 Take-Up Reel



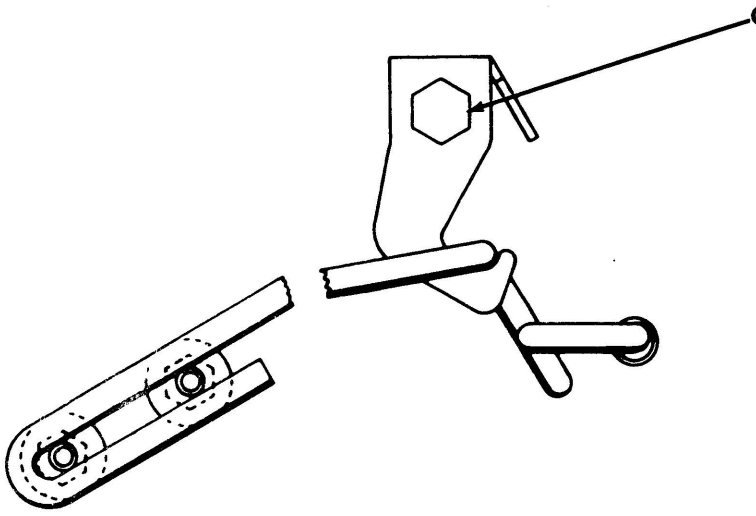
G	Bearing Plate	Tape Take-Up Reel
G	Gear Teeth	Tape Take-Up Reel
SAT	Felt Washer	Idler Gear

4.02 Upper Pulley Assembly



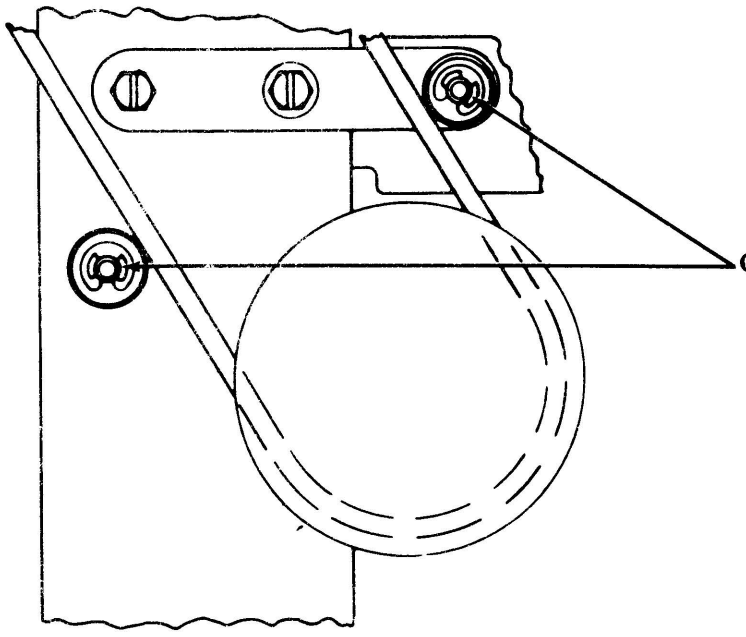
O1	Roller	Pulley Belt Rollers

4.03 Tape Arm Latch



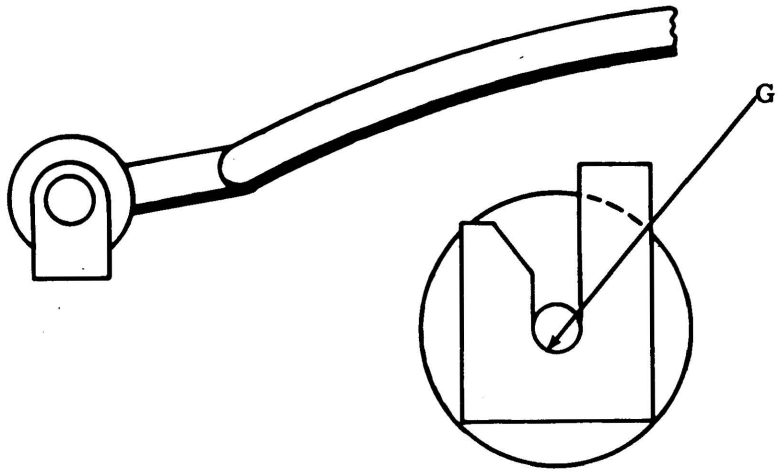
O1	Latch	Tape Arm Latch

4.04 Lower Pulley Assembly



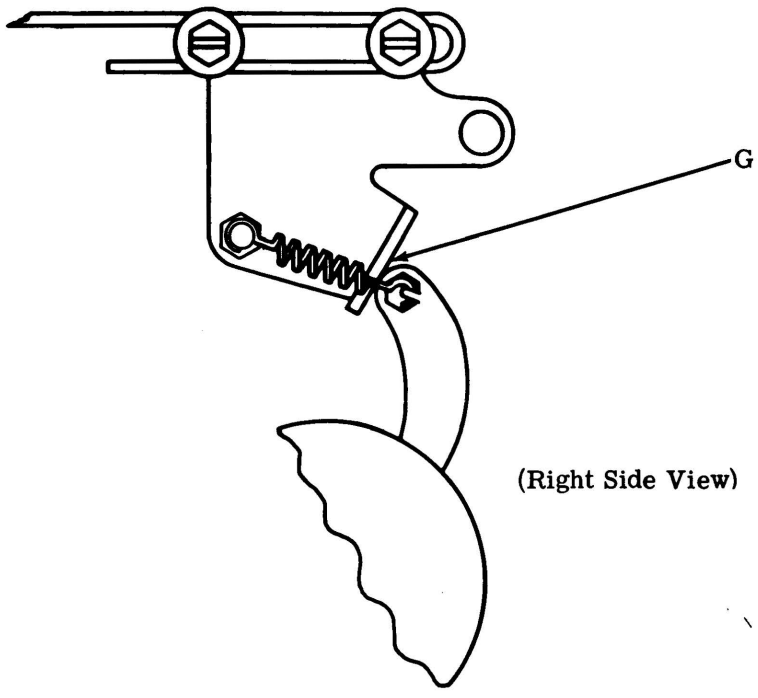
O1	Roller	Pulley Belt Rollers

4.05 Supply Reel



G Bearing Plate Supply Reel

4.06 Tape Arm Bail

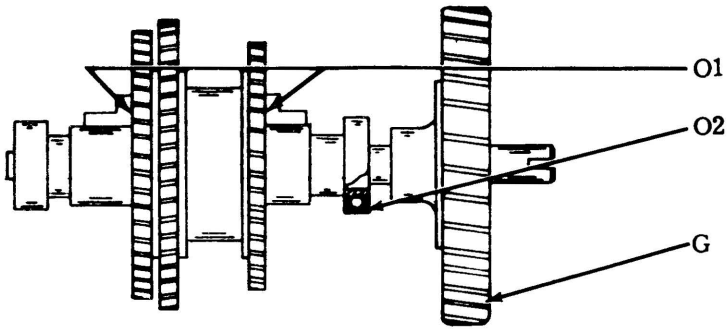


G Bearing Surface Tape Arm Bail

(Right Side View)

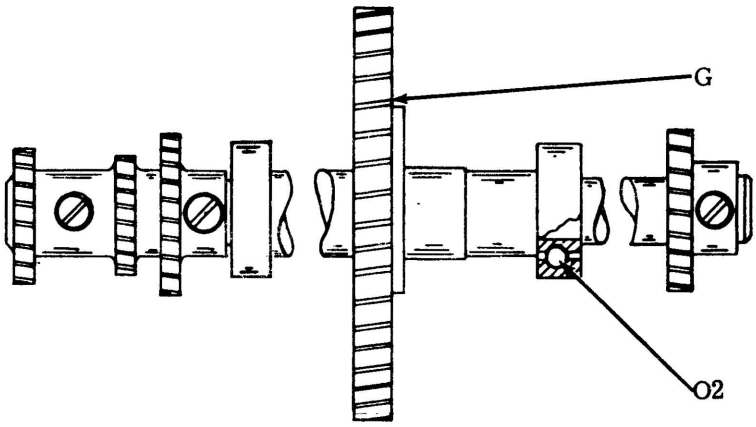
5. REPERFORATOR TRANSMITTER BASE

5.01 Shift Gear Shaft Assembly



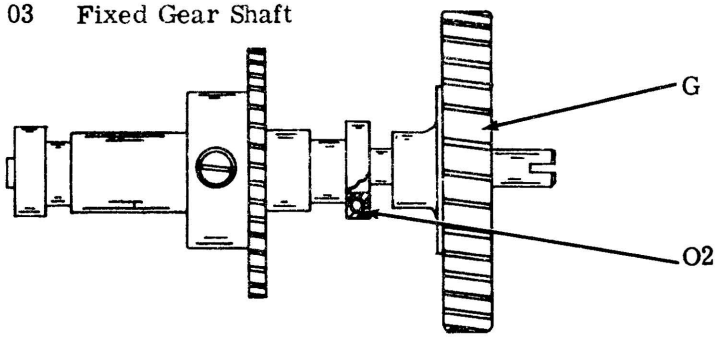
O1	Guiding Surfaces	Keybar
O2	Ball Bearings (2 Places)	Shift Gear Shaft Bearings
G	Gear Teeth (4 Gears)	Shift Gear Shaft Gears

5.02 Cross Shaft Assembly



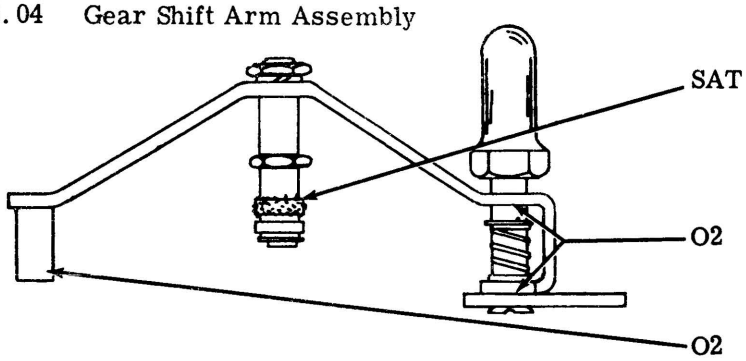
G	Gear Teeth (5 Gears)	Cross Shaft Gears
O2	Ball Bearings (2 Places)	Cross Shaft Bearings

5.03 Fixed Gear Shaft



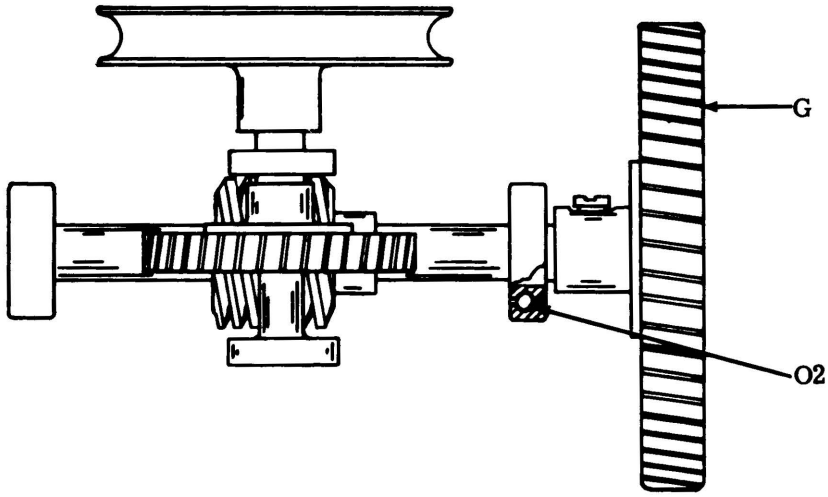
G	Gear Teeth (2 Gears)	Fixed Gear Shaft Gears
O2	Ball Bearings (2 Places)	Fixed Gear Shaft Bearings

5.04 Gear Shift Arm Assembly



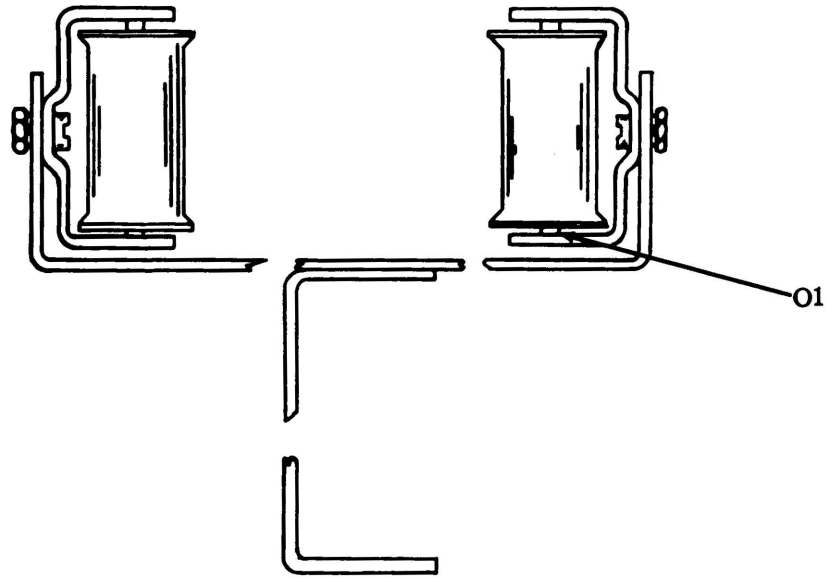
SAT	Felt Oiler	Gear Shift Arm Roller
O2	Bearing Surfaces	Gear Shift Arm Stud
O2	Pivot	Gear Shift Arm

5.05 Tape Winder Drive Bracket Assembly

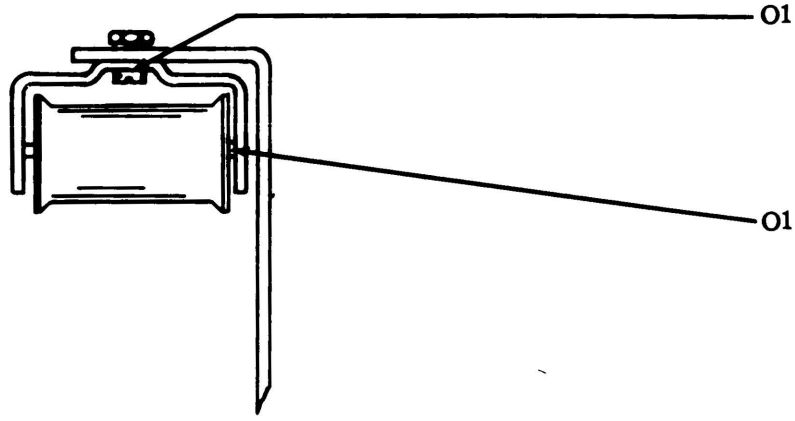


G	Gear Teeth (3 Gears)	Tape Winder Drive Bracket Gears
O2	Ball Bearings (4 Bearings)	Tape Winder Drive Bracket Bearings

5.06 Tape Bracket Rollers and Shaft



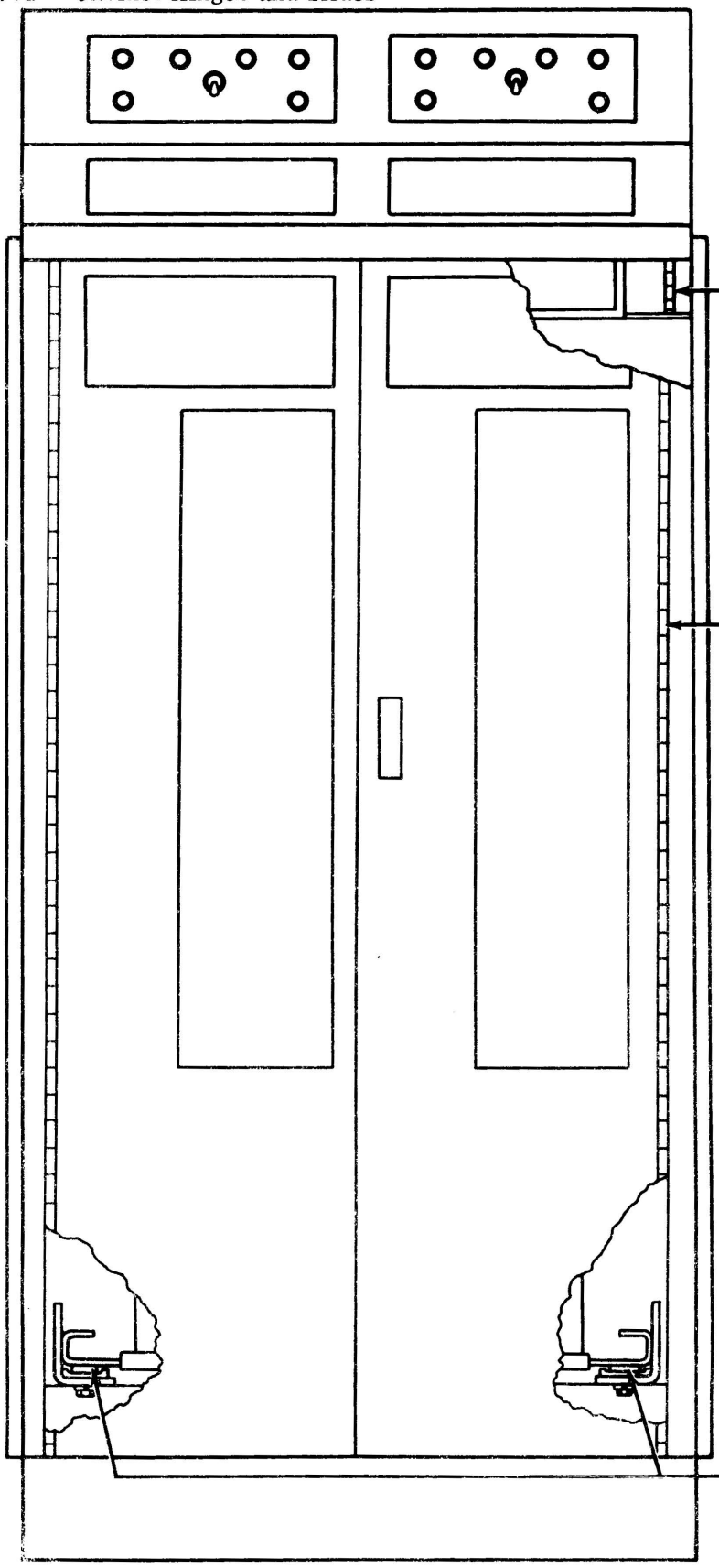
O1	Bearing Surface - Each End (2 Rollers)	Rear Tape Bracket Rollers



O1	Pivot	Front Tape Bracket
O1	Bearing Surface - Each End	Front Tape Bracket Roller

6. CABINET

6.01 Cabinet Hinges and Slides



O3	Hinge	Electrical Mounting Frame	
O3	Hinges (4)	Door Hinges (Front and Rear)	
Lubriplate	Sliding Surfaces	Slides	