

HIGH SPEED TAPE READER

(DX TYPE)

LUBRICATION

CONTENTS	PAGE
1. GENERAL	1
2. LUBRICATION	2
Block counter mechanism	4
Contact retractor mechanism	5
Escapement wheel lubricator	4
High speed tape reader — left side view	2
High speed tape reader — right side view	2
Motor bearings	4
Tape lid latch mechanism	3
Tape lid mechanism	3

1. GENERAL

1.01 This section is reissued to provide lubrication procedures for the High Speed Tape Reader and to remove the special designation, making this section a standard publication. The added lubrication information in this section covers a tape retractor mechanism and block counter mechanism. Since this is a general revision, marginal arrows that indicate changes have been omitted.

1.02 Lubricate the unit prior to placing it in service. After a few weeks of service, relubricate to make certain all points receive lubrication. Thereafter, the regular lubrication interval should be as follows:

Operating Speeds	Lubrication Intervals (Whichever Occurs First)
2400 wpm	200 hours or 3 months
1200 wpm	400 hours or 6 months

1.03 Use universal gear lubricant EP80 (TP77244 or TP318775) for the escapement wheel lubricator. KS7470 oil should be used at all other lubrication points indicating oil. Use KS7471 grease on all surfaces where grease is indicated.

1.04 All spring wicks and felt oilers should be saturated with oil, and the friction surfaces of all moving parts should be thoroughly lubricated. Excessive lubrication which allows oil to drip or be thrown on other parts, should be avoided.

1.05 The photographs show paragraph numbers referring to particular parts and mechanisms on the unit. The drawings indicate points to be lubricated, specific instructions, and type of lubrication. Parts in the line drawings are shown in an upright position, unless otherwise specified.

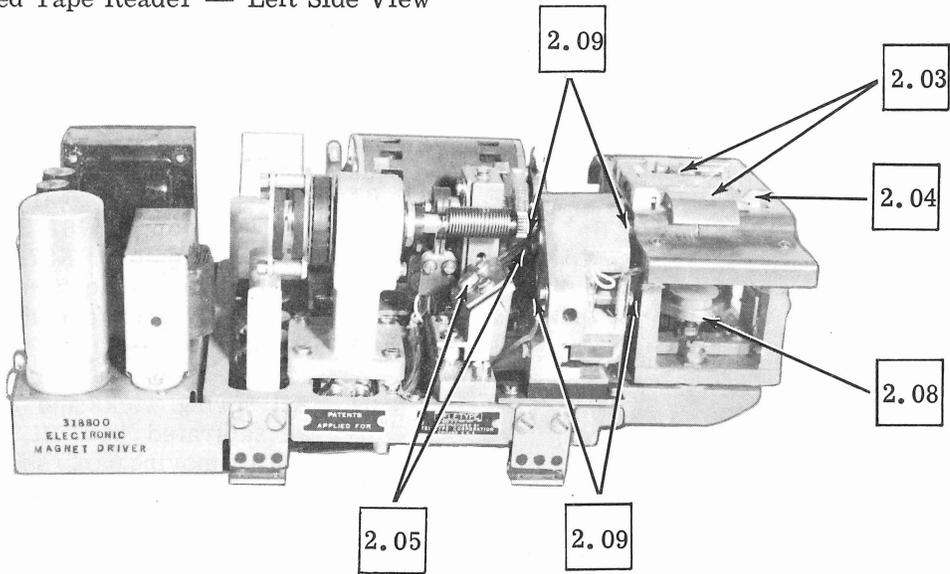
1.06 The lubrication symbols and directions listed below should be followed at intervals described in 1.02.

- O1 Apply 1 drop of oil.
- O2 Apply 2 drops of oil.
- O3 Apply 3 drops of oil, etc.
- SAT Saturate (felt oilers and wicks) with oil (KS7470).
- EP80 Use as directed from 4 oz container (TP318775).
- G Apply thin film of grease.

Note: Exercise care to avoid getting oil or grease between electrical contacts, stepper magnet coils and armature.

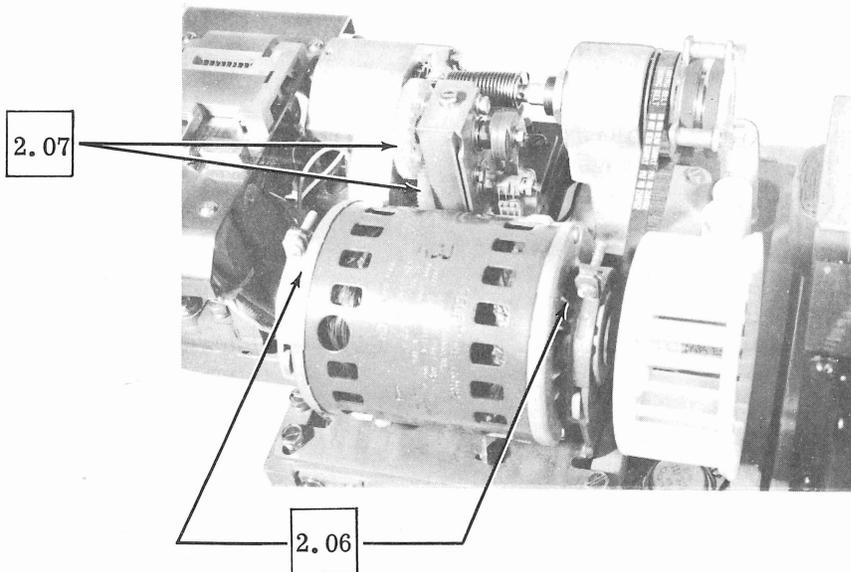
2. LUBRICATION

2.01 High Speed Tape Reader — Left Side View

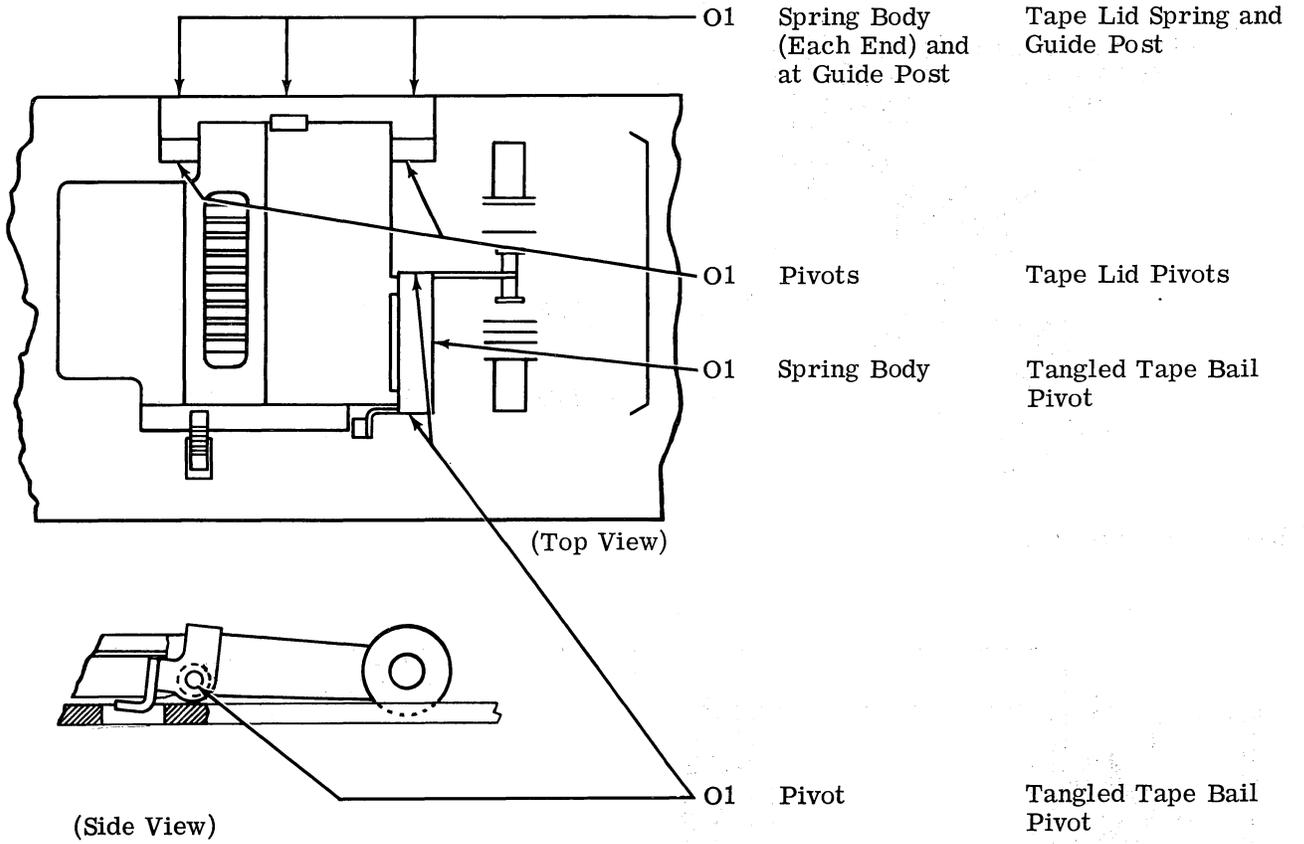


CAUTION: REMOVE POWER FROM UNIT BEFORE LUBRICATING.

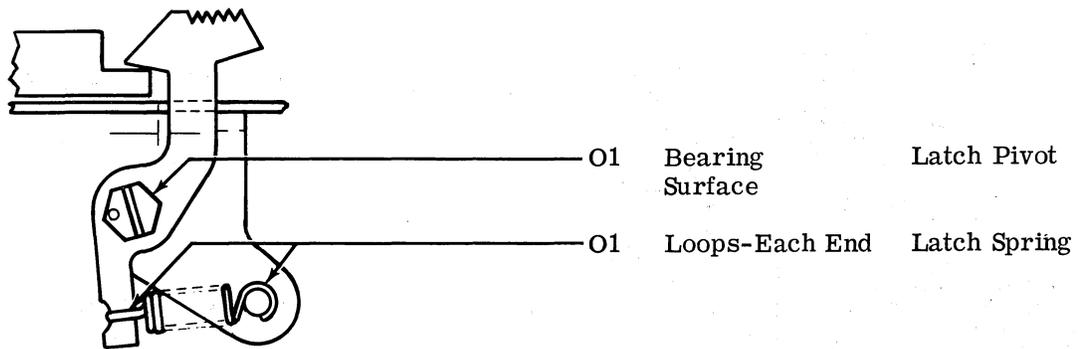
2.02 High Speed Tape Reader — Right Side View



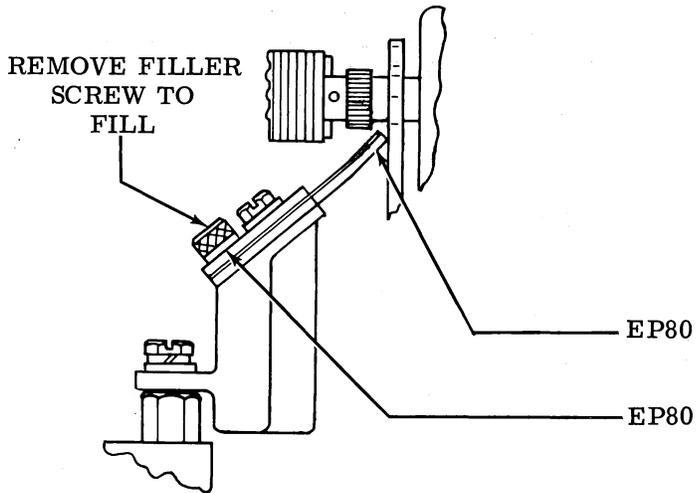
2.03 Tape Lid Mechanism



2.04 Tape Lid Latch Mechanism

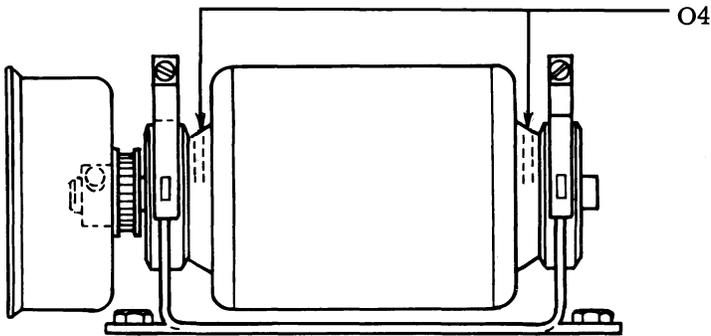


2.05 Escapement Wheel Lubricator



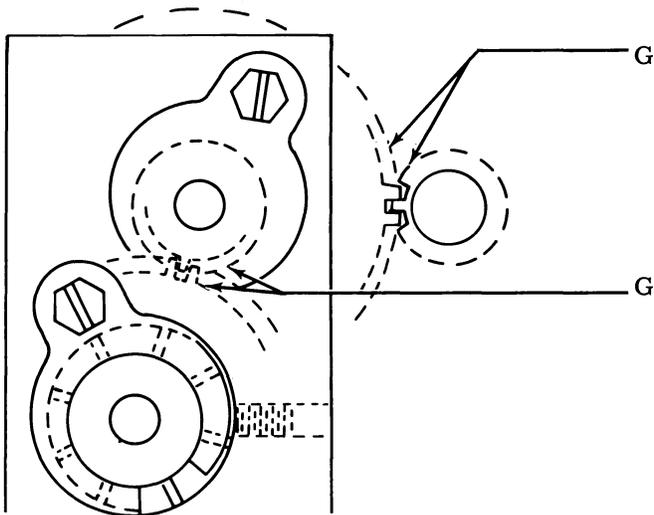
- SAT Wick Lubricator
- Fill Reservoir Lubricator

2.06 Motor Bearings



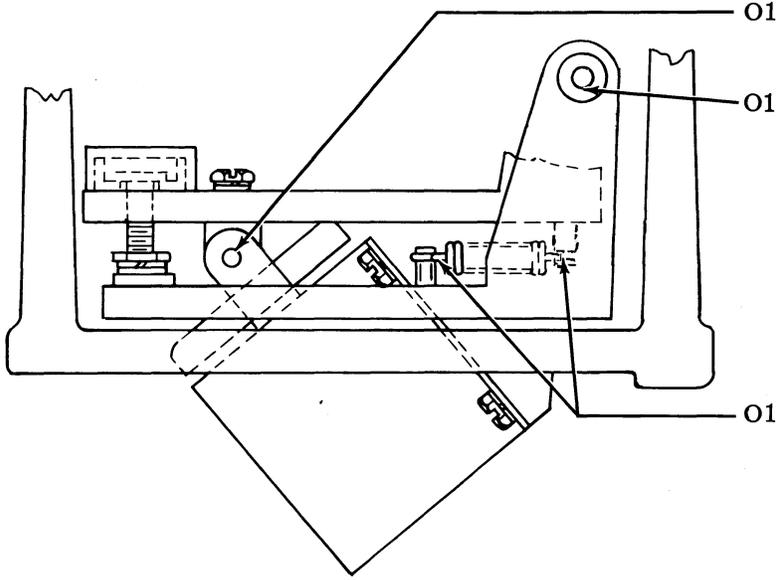
- Oil Holes - Each End Motor Shaft

2.07 Block Counter Mechanism



- Gear Teeth Escapement Pinion and Upper Shaft Gears
- Gear Teeth Upper Shaft Pinion and Lower Shaft Gear

2.08 Contact Retractor Mechanism (DX4 only)



- Pivots (2) Solenoid Pivots
- Pivots (2) Retractor Mechanism Pivots
- Loops (4) (Each End) Retractor Springs (2)