

20 TELETYPESETTER PERFORATOR
WITH FIXED COUNTING MECHANISM

LUBRICATION

CONTENTS	PAGE
1. GENERAL	1
2. PARTS TO BE LUBRICATED	1
Adjustable Pointer Unit.....	2
Counting Shaft Unit.....	1
Keyboard	2
Main Shaft	1
Miscellaneous	2
Punch Unit	1

1. GENERAL

1.01 This section contains the lubrication information for the 20 teletypesetter perforator. This section and the section covering teletypewriter general lubrication provide the complete lubrication information to maintain the 20 teletypesetter perforator.

1.02 The lubricants to be used and their methods of application are those given in the teletypewriter general lubrication section. The lubrication symbols in this section are the same as those in the general section.

1.03 Because of varying conditions at each station, the 20 teletypesetter perforator should be lubricated as often as specified by local instructions.

2. PARTS TO BE LUBRICATED

2.01 Punch Unit:

- (1) O—Adjusting nut: at the punch hammer.
- (2) O—Backspace lever: in the guides.
- (3) O—Backspace pawl: at the shoulder screw.
- (4) O—Detent-bail bearings: two places.
- (5) O—Detent-bail roller.
- (6) O—Detent eccentric bushing.
- (7) O—Detent roller.
- (8) O—Feed-pawl eccentric bushing.
- (9) O—Feed-pawl release cam.

- (10) O—Feed-roll bearing.
- (11) O—Punch-block oil hole.
- (12) O—Punch-control bail pivots: two places.
- (13) O—Punch-control lever: pivots and joints.
- (14) O—Punch-hammer bearings: two places.
- (15) O—Punch-hammer lever shaft: two oil holes.
- (16) O—Punch joint bearings: two places.
- (17) O—Punch levers: all points of contact.
- (18) O—Tape-tension lever bearings: two places.
- (19) O—Vertical levers: all points of contact.

2.02 Counting Shaft Unit:

- (1) O—Counter cross-shaft bearings: two places.
- (2) O—Code discs: all points of contact.
- (3) SAT—Friction-clutch washers.
- (4) G—Gear.
- (5) F—Oil cup (at front of unit).
- (6) F—Oil plug (at rear of shaft).
- (7) O—Reset collar: all points of contact.
- (8) O—Reset-collar lever bearings: two places.
- (9) O—Shaft ball bearings: two places.
- (10) O—Stopblades: all points of contact.
- (11) O—Stop pins: all points of contact.
- (12) O—Stop-pin plungers.
- (13) O—Stop-pin rollers.
- (14) G—Stop-shaft worm and gear.
- (15) O—Transfer-bail bearings: two places.
- (16) O—T transfer levers: all points of contact.
- (17) O—Zero-cam bail bearings: two places.
- (18) O—Zero lever bearings: two places.

2.03 Main Shaft:

- (1) O—Ball bearings: two places.
- (2) G—Driven-clutch cam and follower.
- (3) G—Gears.
- (4) O—Nonrepeat latch: all points of contact.
- (5) SAT—Operating-clutch friction washers.
- (6) OF—Operating-clutch sliding member.
- (7) F—Plug (at rear of shaft).
- (8) G—Punch hammer cam and roller.

SECTION 572-401-701

- (9) O—REPEAT key bearing.
- (10) G—Return cam and roller.
- (11) OF—Return-clutch sliding member.
- (12) O—Return-clutch throwout-lever bearings: two places.
- (13) G—Spacer operating-cam and roller.
- (14) G—Stopblade reset cam and roller.
- (15) O—Stoplever bearings: two places.
- (16) G—Stoplever cam and roller.
- (17) O—Stoplever latch: all points of contact.
- (18) G—Transfer-bail cam and roller.
- (19) O—Tripoff plunger: at the guide.
- (20) G—Zero-set cam and follower.

2.04 Adjustable Pointer Unit:

- (1) O—Adjusting collar: at prongs.
- (2) O—Bell-hammer eccentric bushing.
- (3) O—Bell pawl: at the stud.
- (4) O—Contact-lever bearings: two places.
- (5) O—Feed-pawl bearing.
- (6) G—Gears and worm.
- (7) O—Indicator scale guides.
- (8) O—Intermediate pawl: all points of contact.
- (9) O—Intermediate-pawl latch: all points of contact.
- (10) O—Justification pointers: all points of contact.
- (11) O—Left-pointer rack: all points of contact.
- (12) O—Pivot-adjusting blocks: at guides.
- (13) O—Pointer bracket: oil hole.
- (14) O—Release-lever bearings.
- (15) O—Retaining-pawl bearings.
- (16) O—Retaining-pawl release-lever bearings.
- (17) O—Return-actuating lever bearing points.
- (18) O—Return-bail bearings.

- (19) O—Right-pointer rack: all points of contact.
- (20) O—Semaphore bearings.
- (21) O—Semaphore linkage: all points of contact.
- (22) O—Shaft bearings: two places.
- (23) O—Shift-detent bearing and roller.
- (24) O—Spacebar-lever extension: at the guide.
- (25) O—Space-rack slide: all points of contact.
- (26) O—Spacer-bail bearings.
- (27) O—Spacer rod: all points of contact.
- (28) O—Spacing rack: all points of contact.
- (29) O—Spring-arm bearings.
- (30) O—Swivel and rollers: bearing points.
- (31) O—Vertical-link bearings.

2.05 Keyboard:

- (1) O—Counting selector-bars: in the slots.
- (2) O—Counting selector-levers: all points of contact.
- (3) O—Detent rollers.
- (4) O—Perforating selector-bars: in the slots.
- (5) O—Selector-bar links: all points of contact.
- (6) O—Shift-bail bearings: two places.
- (7) O—Shift linkages: all points of contact.
- (8) O—Spacebar-loop bearings.
- (9) O—Universal bar: in the slots.
- (10) O—Unshift linkages: all points of contact.
- (11) O—Y levers: all points of contact.

2.06 Miscellaneous:

- (1) O—Message line guide: at the rod.
- (2) O—Motor: two oilers.
- (3) G—Motor pinion.
- (4) O—Tape-reel bearing.