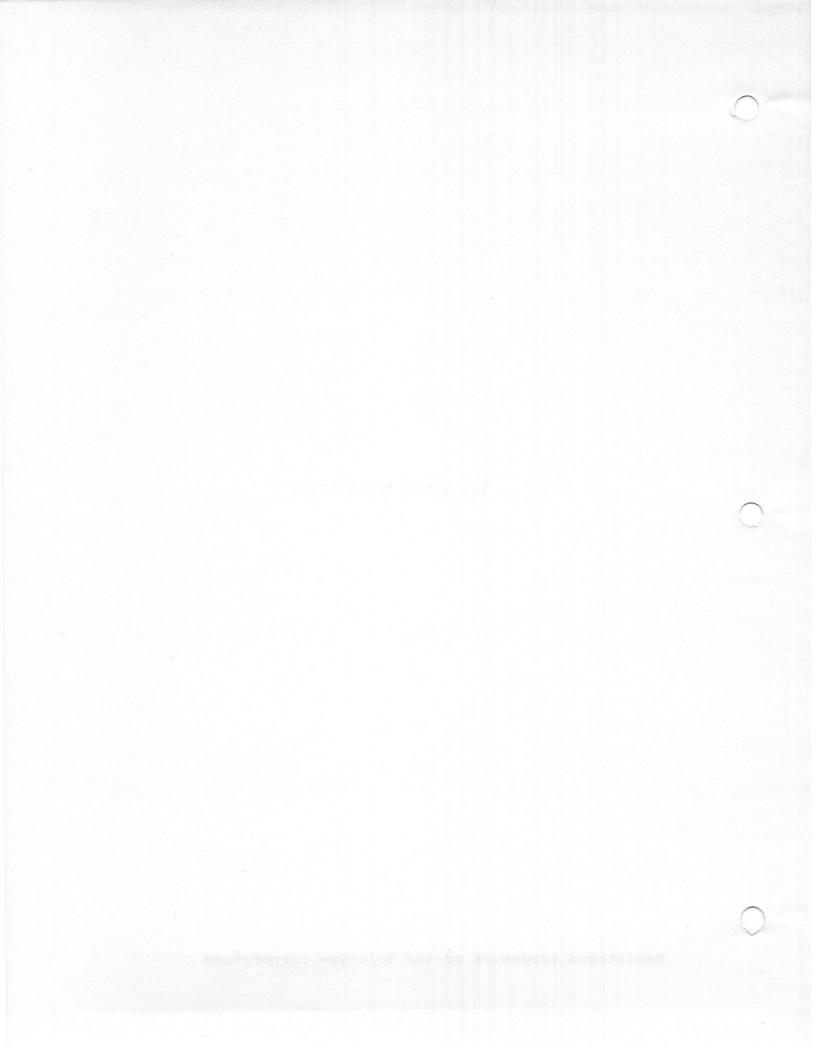
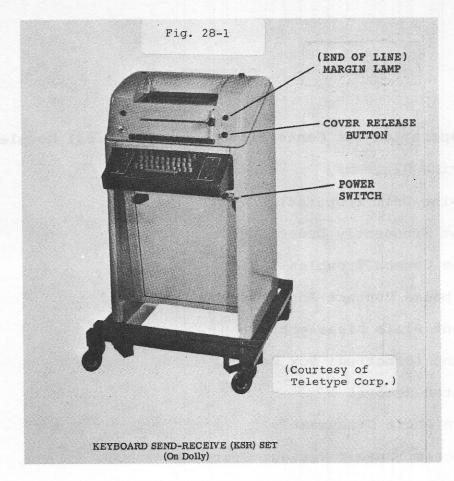
THE MODEL 28 TELETYPE R

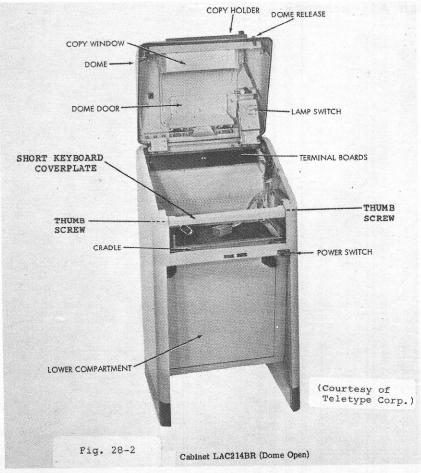
Registered trademark of the Teletype Corporation

5m96



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в.	Wiring Diagrams	M28-7					
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E.	Some Common Troubles	M28-19					
F.	Keyboard Contact Adjustment	M28-23					
G.	Front Plate Disassembly	M28-25					
н.	Stunt (Function) Box Removal	M28-29					
I.	Platen Removal	M28-31					
J.	Main Shaft Disassembly	M28-33					
K.	Descriptions of Various Clutches	M28-35					
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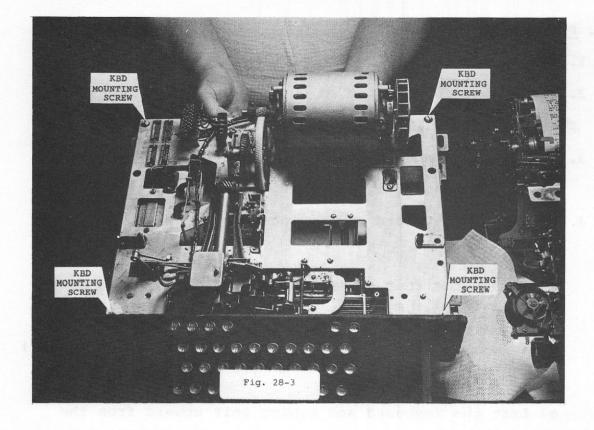


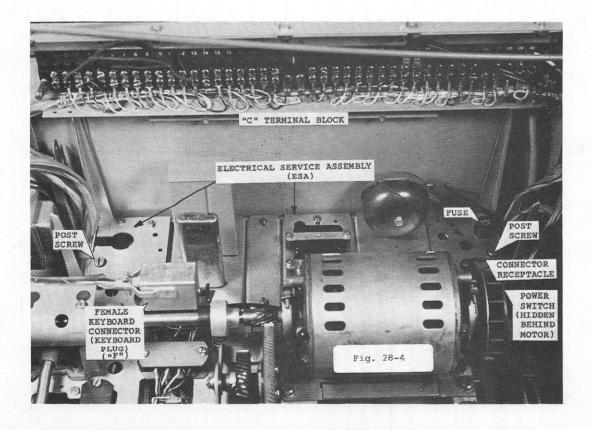


Small

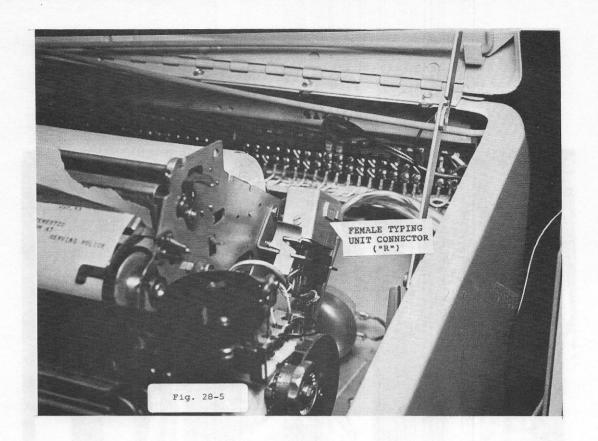
A. PREPARATION FOR CONNECTION TO AN ACOUSTICAL COUPLER

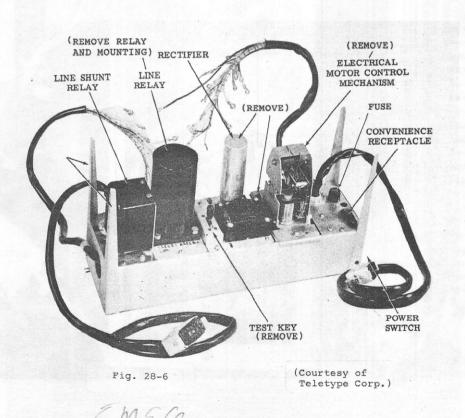
- 1. Make sure power cord is unplugged.
- Raise cover by pushing in button located on right hand side of cover (Fig. 28-1).
- 3. Unscrew two thumb screws behind short keyboard cover plate and remove the plate (Fig. 28-2).
- 4. Remove the keyboard and typing unit as a complete unit, as follows:
 - a) Remove the four screws that hold the keyboard to the cabinet (Fig. 28-3).
 - b) Remove the keyboard plug and the typing unit (female) plug (Fig. 28-4,5).
 - c) Lift the keyboard and typing unit upward from the cabinet. (some oil may drip out!)
- 5. a) Notice the Electrical Service Assembly (ESA) in the rear of the cabinet (Fig. 28-4).
 - b) Disengage the metal power switch rod from the ESA by pulling the rod out of the hole (Fig. 28-2).
- 6. a) Remove the two post screws which fasten the ESA to the cabinet base (Fig. 28-4).
 - b) Remove the four assemblys indicated (Fig. 28-6).
 - c) Lift out the ESA and turn it upside down for rewiring.





Smace C





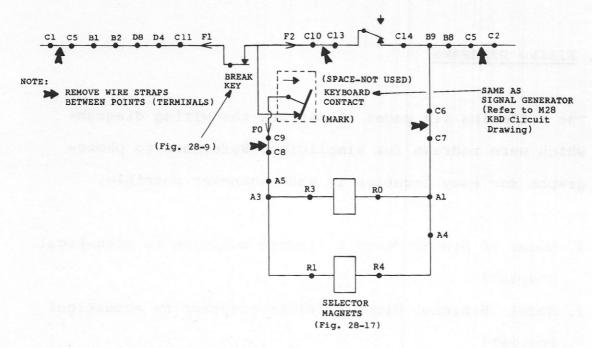
Typical 28 Electrical Service Unit

'C' TERMINAL STRIP CAUTION: 39-40 IS 110VAC (CAUTION: 110VAC) POWER SWITCH TERMINAL STRIPS - 'D' .E. 'B' ELECTRICAL SERVICE ASSEMBLY (ESA)
TURNED UPSIDE DOWN Fig. 28-6A

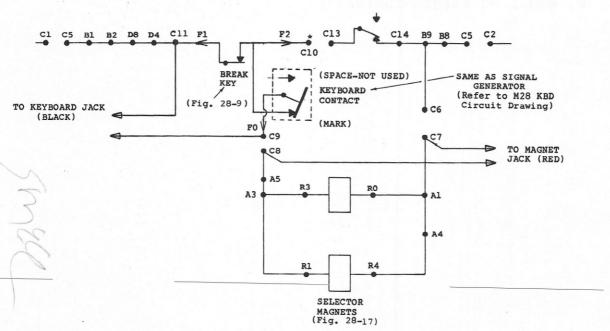
B. WIRING DIAGRAMS

The following six pages illustrate the wiring diagrams which were redrawn for simplicity. Reference to photographs for easy location is made whenever possible.

- 1. Model 28 Signal Circuit (Before adaption to acoustical coupler)
- Model 28 Signal Circuit (After adaption to acoustical coupler)
- 3. Model 28 Motor Circuit
- 4. Model 28 Selector Magnet Circuit
- 5. Model 28 Keyboard Circuit
- 6. Model 28 Margin Indicator

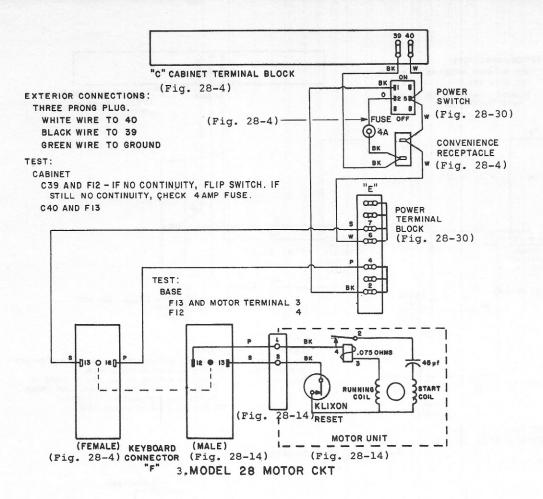


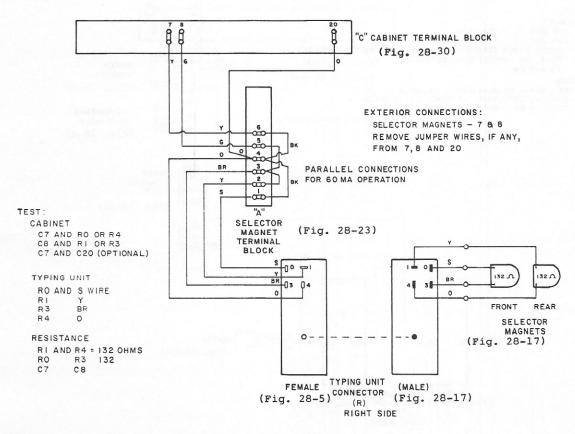
1. Model 28 Signal Circuit (Before Adaption to Acoustical Coupler)



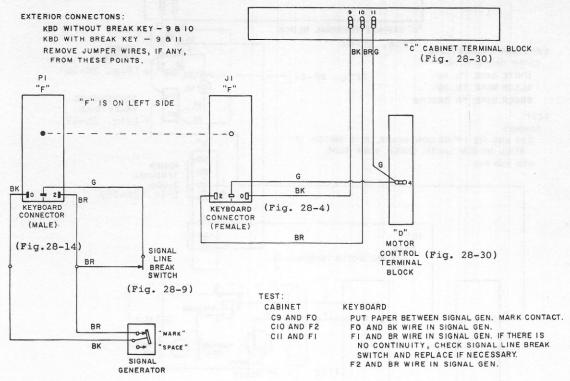
*NOTE: Should the TTY lack the break key, it will be necessary to connect to ClO rather than Cll.

2. Model 28 Signal Circuit (After Adaption to Acoustical Coupler)



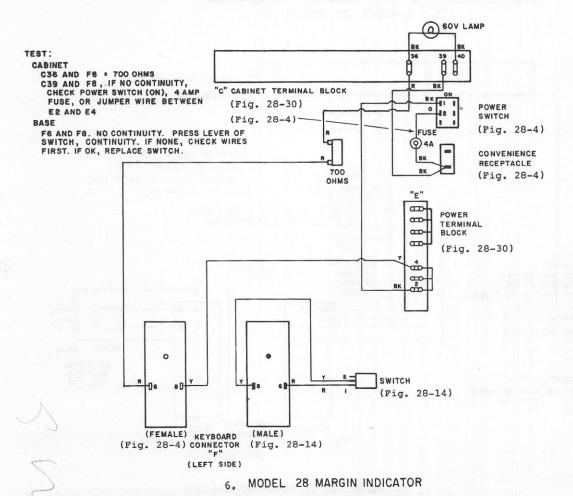


4. MODEL 28 SELECTOR MAGNET CKT



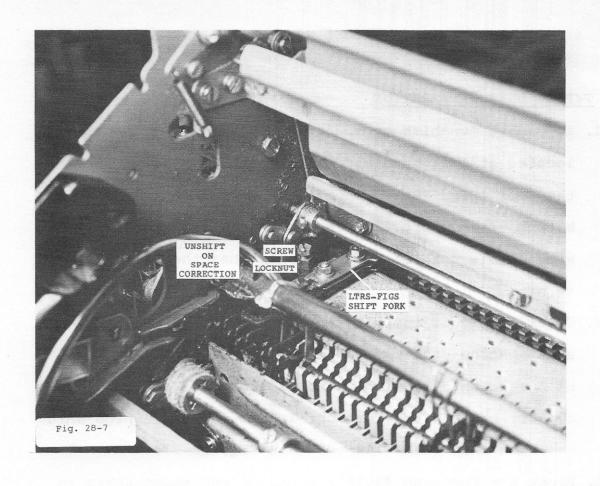
OLD STYLE: Fig. 28-9 NEW STYLE: Fig. 28-19

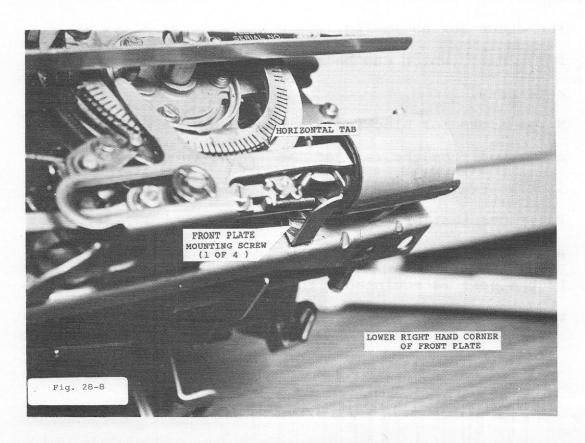
5. MODEL 28 KEYBOARD CKT

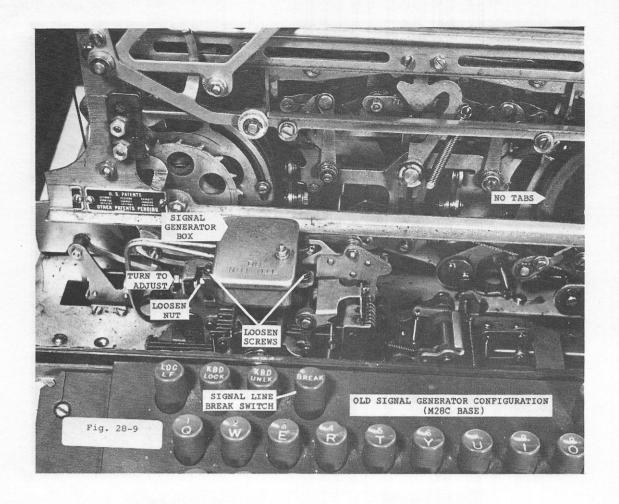


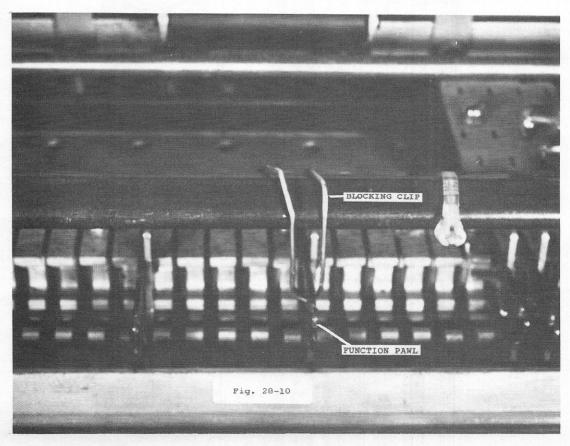
C. TYPING UNIT PREPARATION

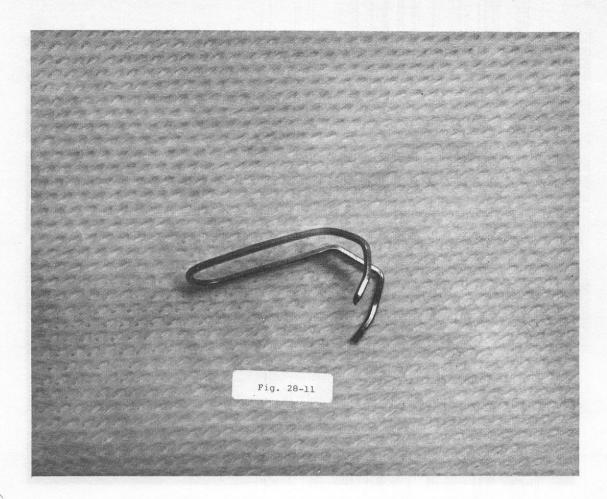
- 1. To remove "unshift on space" feature, loosen locknut located at left hand side of stuntbox as viewed from the rear (Fig. 28-7). Turn screw downward towards bottom of the unit. Tighten locknut afterwards. This will enable unshift to occur <u>only</u> when the LTRS key is hit.
- 2. Check to see if the unit is equipped with:
 - a) A spacing drum with horizontal tabs (Fig. 28-8).
 - b) A spacing drum without horizontal tabs (Fig. 28-9).
 - c) Vertical tab and form out (wheel on left typing unit frame that looks like drum in Fig. 28-8).
- 3. Block the Function Pawls for any of the above parts in the Stunt Box as in Fig. 28-10, using wire clips as in Fig. 28-11, which can be made out of paper clips if necessary.
 - Note: Slots for blocking are numbered from left to right as viewed from the rear of the Typing Unit, with every 5th location stamped on the casting as in Fig. 28-12. The slots that will have to be blocked are 17, 35, 41, and 42. (Slot 35 disables the keyboard lock.)
- 4. If the unit is equipped with Selective Calling, clip the suppression code bar as in Fig. 28-13.

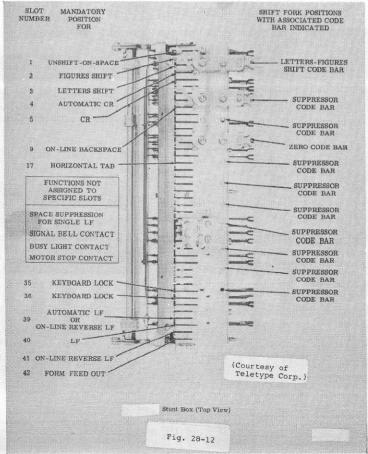


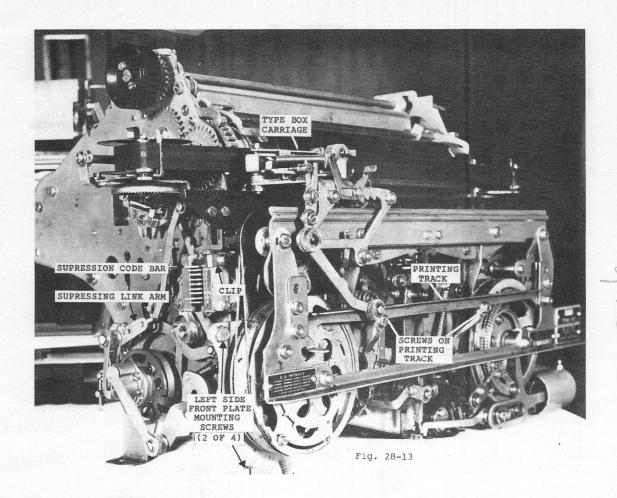


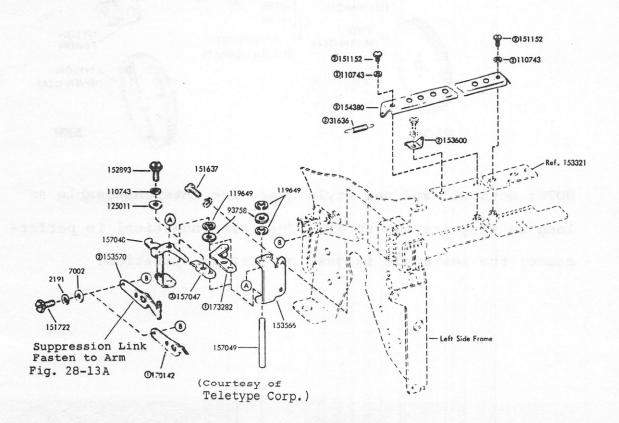








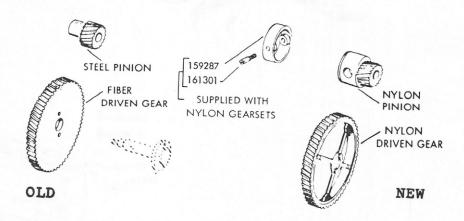




D. MOST FREQUENTLY ORDERED PARTS

1. Check that the gears as in Fig. 28-14 are for 60 words per minute:

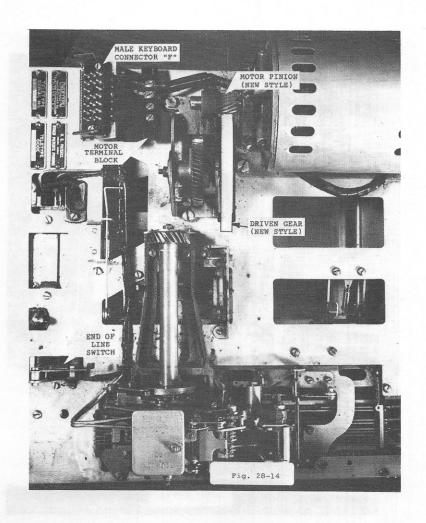
OLD STYLE	TELETYPE PART NO.
Motor Pinion	151130
Driven Gear	151131
Both	151060
NEW STYLE	
Motor Pinion	159278
Driven Gear	159279
Both	161293

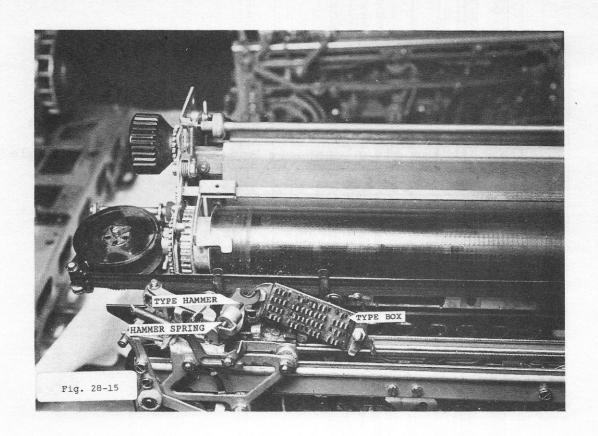


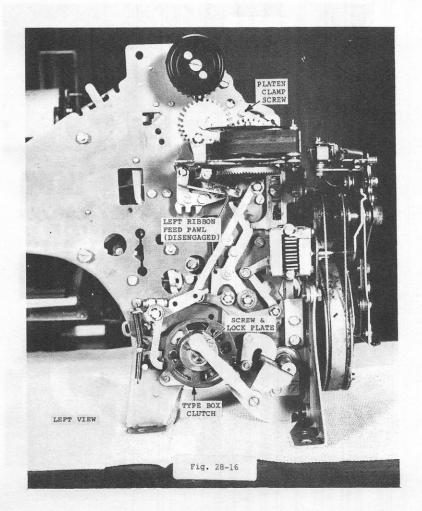
NOTE: Both old and new style gears are interchangeable as long as they are for 60 WPM. They are indentical in performance; the new style is just quieter in operation.

2. Check that the Signal Generator is in good condition (that it has clean contacts and an easy working toggle).

OLD STY	LE -	28C	BASE	-	Fig.	28-9	
Contact 151173							
Toggle					151171		
NEW STY	LE -	28D	BASE	_	Fig.	28-14	
Contact 154045						4045	
Toggle					151171		







E. SOME COMMON TROUBLES

- J. Motor is not running.
 - a) Check the fuse. (Fig. 28-4)
- b) Check the keyboard plug to see if it is connected fully. (Fig. 28-4)
- c) Push the red reset button on the Motor base. It is a thermal cut-out resettable fuse.
- d) Check the power switch. (Fig. 28-1)
- 2. Printing does not occur.
- a) Type box may have come off if it was not latched. (Fig. 28-15)
- b) Check hammer spring and type hammer. (Fig. 28-15)
- c) Check the screws on the printing track for tightness.

 Also check for printing track levelness. (Fig. 28-13)
- d) E-type box may not be centered as it should be. <u>Note</u>: If printing does not occur because the unit is running open (type carriage shifting rhythmically up and down):
- e) Keyboard contact hit accidently and is now off normal, i,e,. the toggle is not on Mark contact. To correct this, hit any key on the keyboard so it will reset.
- f) Typing unit connector is not attached properly.
- g) Black keyboard plug or red magnet plug not pushed into acoustical coupler jack all the way.

- h) Open transistor or other element in acoustical coupler.
- 3. Ribbon does not feed properly.

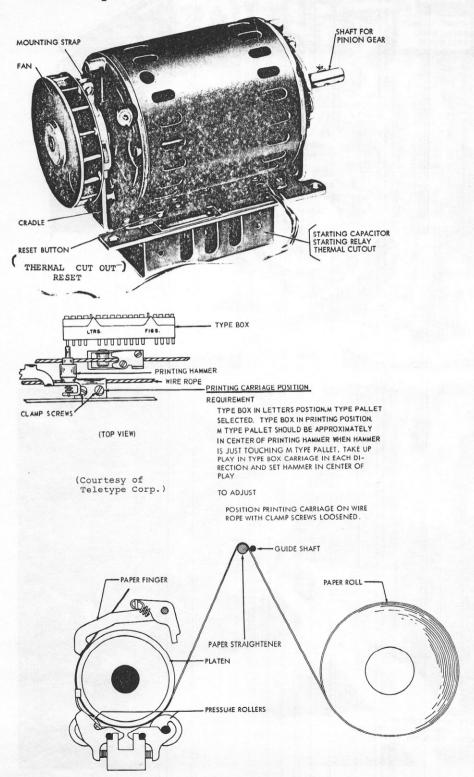
Feed pawls may not be engaged on either the left or right ribbon spool. Note that only one side should be engaged at a time. Refer to the following illustrations: Left side spool (disengaged): Fig. 28-16
Right side spool (engaged): Fig. 28-17

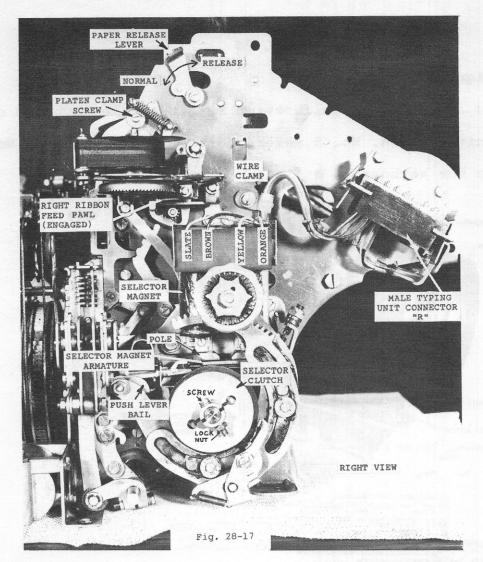
- 4. Paper does not feed properly.
 - a) Check paper release lever for proper position (Fig. 28-17)
- b) Check for proper installation of paper roll.
- c) Platen is hard and slick from years of use. Either replace platen or rough up old platen with emery cloth. Refer to Section I for platen removal instructions.
- 5. Typing is garbled after teletypewriter is turned off for a long time.*
 - Oil may have accumulated between selector magnet armature and pole pieces (Fig. 28-17). Insert a dry piece of paper between the armature and pole to absorb and wipe off the oil film.
- 6. Typing is garbled due to dirty keyboard contact.*

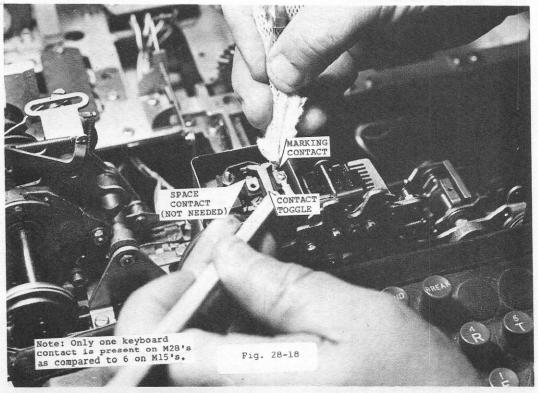
 Remove cover from signal generator contact box (Fig. 28-19) and clean contact on right side (marking contact) with a cloth impregnated with naptha or an electrical contact cleaner according to Fig. 28-18. (Note that the left side contact is not wired into the circuit and can

be ignored.)

* Garbles are due to a malfunction in either the keyboard or typing unit or both. No. 5 refers to the typing unit and No. 6 refers to the keyboard.







F. KEYBOARD CONTACT ADJUSTMENT

Note: Unless you have an appropriately connected oscilloscope, transmission measuring set, or distortion meter, it is not advisable to attempt this adjustment.

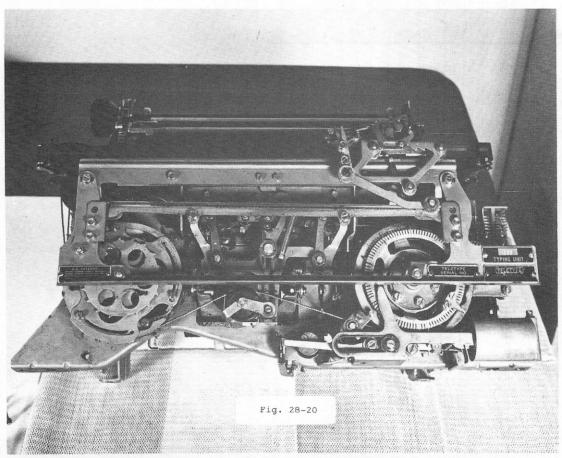
OLD STYLE - 28C BASE - Fig. 28-9

- 1. Loosen Contact Box mounting screws.
- 2. Loosen adjusting screw lock nut.
- 3. Turn adjusting screw to adjust keyboard contacts for the least amount of distortion as indicated by one of the above noted instruments.
- 4. Tighten the lock nut.
- 5. Tighten Contact Box mounting screws.

NEW STYLE - 28D BASE - Fig. 28-19

- 1. Loosen Contact Box mounting screws.
- 2. Turn the eccentric screw to adjust keyboard contacts for the least amount of distortion as indicated by one of the above mentioned instruments.
- 3. Tighten Contact Box mounting screws.

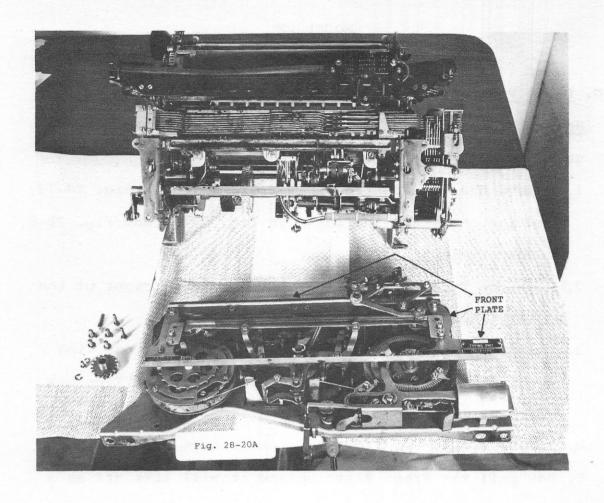


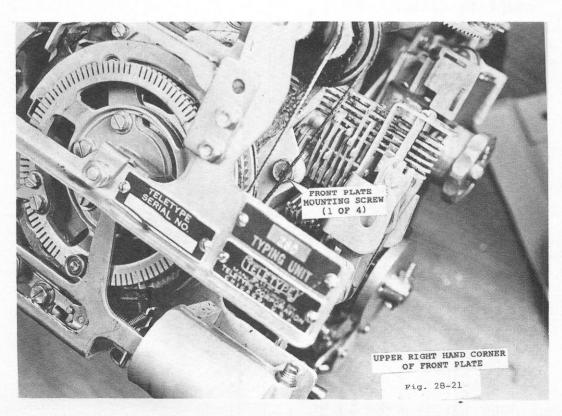


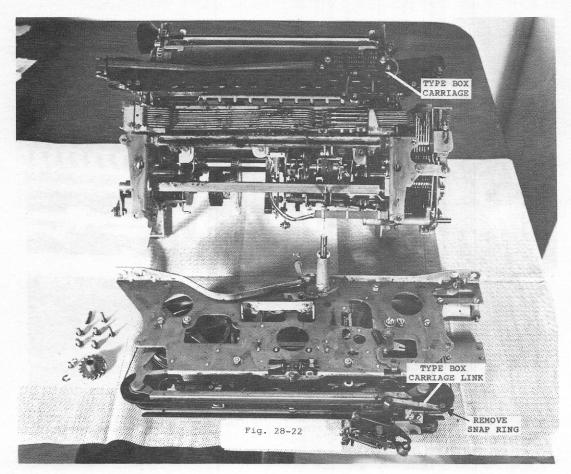
G. FRONT PLATE (Fig. 28-20) DISASSEMBLY

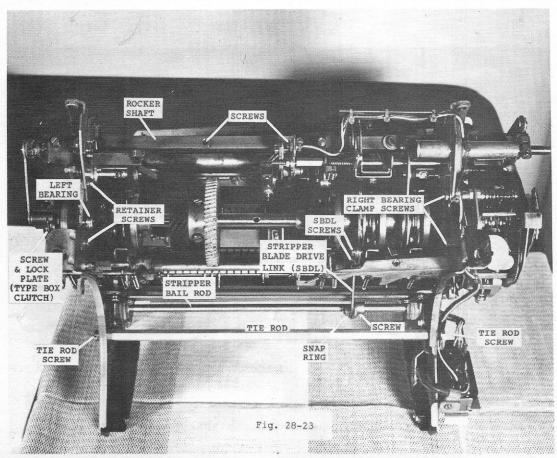
Note: This procedure is to be used only to tear down the unit for repair.

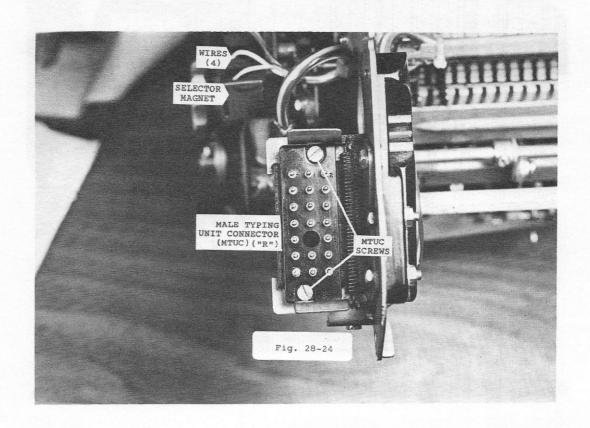
- 1. Remove the two mounting screws indicated in Fig. 28-13, and the other two indicated in Fig. 28-21 and Fig. 28-8, respectively.
- 2. Push the Type Box carriage to the extreme right of the print track (Fig. 28-13).
- 3. Remove the snap ring from the Type Box carriage link and pull the link arm out of the hole in the Type Box carriage (Fig. 28-22).
- 4. Remove two screws from the rocker shaft (Fig. 28-23).
- 5. Now pull the Front Plate up and it will lift off as a complete unit.

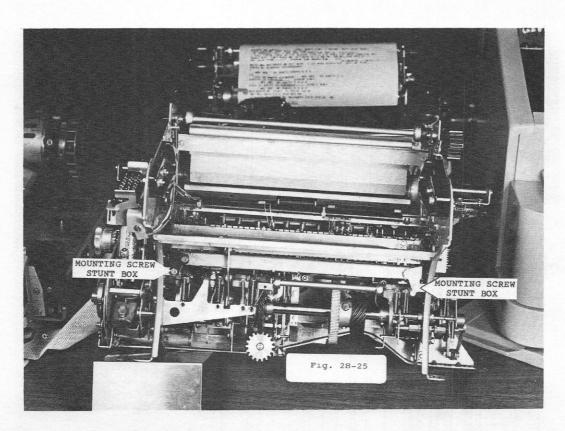






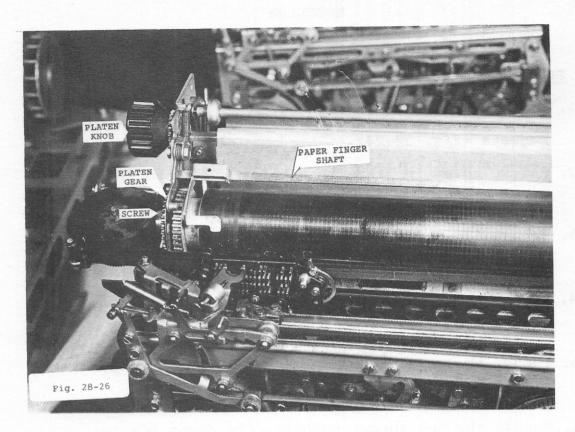


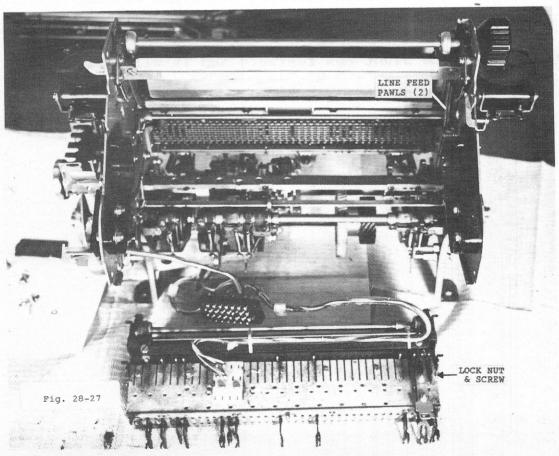




H. STUNT (FUNCTION) BOX (Fig. 28-12) REMOVAL

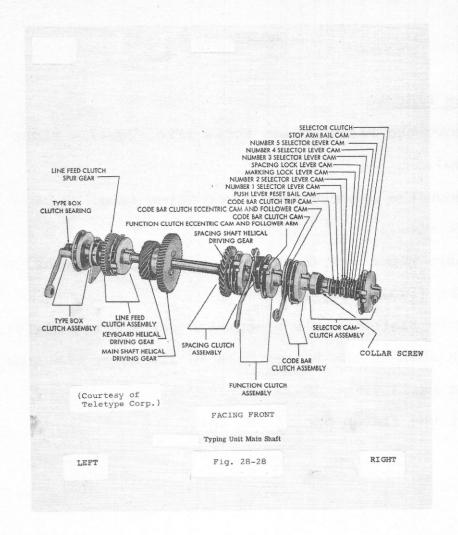
- Remove wires that are connected to the selector magnets (Fig. 28-24).
- 2. Remove screw in clamp that holds wiring to the Right frame (Fig. 28-17).
- 3. Remove the two screws that mount the connector to the typing unit (Fig. 28-24).
- 4. Remove the two screws holding the tie rod. (Fig. 28-23).
- 5. Remove the screw and snap ring from the stripper bail rod and push link to the left.
- 6. Remove the two screws mounting the Stunt Box to the tryping unit (Fig. 28-25).
- 7. Now pull the Stunt Box rearward and it will release from the typing unit.

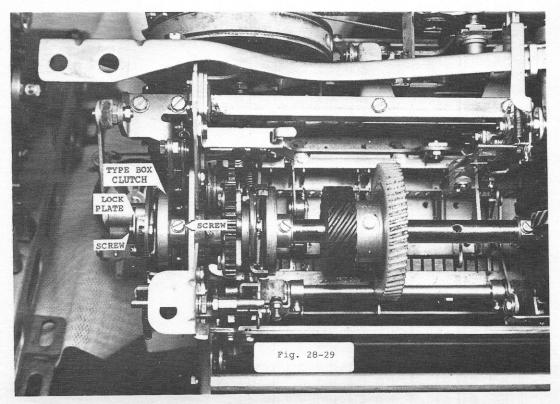




I. PLATEN REMOVAL

- Remove the Platen clamp screw (Fig. 28-17 right view).
- 2. Remove the other Platen clamp screw (Fig. 28-16 left view).
- 3. Remove paper finger shaft by pulling out to the Right (Fig. 28-26).
- 4. Remove Platen gear and mounting screw (Fig. 28-26).
- 5. Push down on the Platen knob to disengage the line feed pawls (Fig. 28-26 and 28-27).
- 6. Lift the Platen out of the unit.

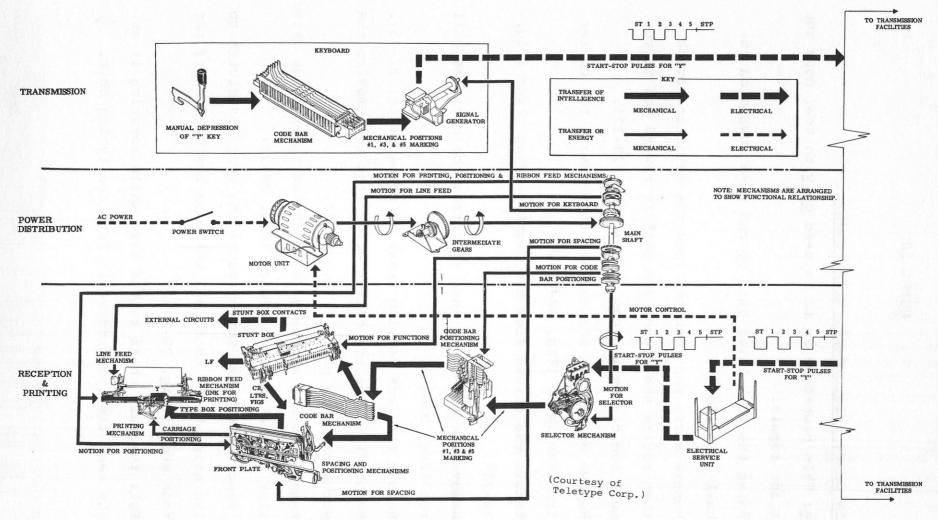




J. MAIN SHAFT (Fig. 28-28) DISASSEMBLY

Note: This procedure is to be used only to tear down the unit for repair.

- 1. Raise the push lever bail up and push inward on the bail (Fig. 28-17).
- 2. Remove screw and lock nut from the selector clutch, then rotate the clutch and pull it toward you to remove the clutch and cam sleeve (Fig. 28-17).
- 3. Remove screw from the collar, then remove the collar from the shaft (Fig. 28-28).
- 4. Remove two screws from the right bearing clamp (Fig. 28-23).
- 5. Remove the screw and snap ring from the stripper bail rod (Fig. 28-23).
- 6. Remove the left bearing retainer screws (Fig. 28-23).
- 7. Remove the type box clutch drive link by removing the screw and lock plate (Fig. 28-29).
- 8. Remove the two screws holding the stripper blade drive link to the function clutch (Fig. 28-23).
- 9. Remove the screw which mounts the type box clutch to the main shaft; then pull the type box clutch off the main shaft (Fig. 28-29).
- 10. Pull the main shaft to the left while rotating it at the same time, to remove it from the typing unit.



SMECC

28 Typing Unit, Schematic Diagram

K. DESCRIPTIONS OF VARIOUS CLUTCHES

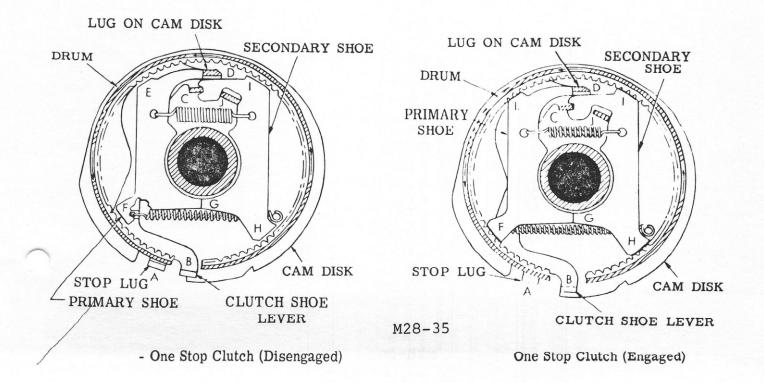
 SELECTOR CLUTCH - Converts incoming signals into mechanical marking or spacing pulses.

2. CODE BAR CLUTCH -

- a) Positions the code bars.
- b) Prepares the stunt box for functions which can be selected, i.e., a cam on the code bar clutch operates the function clutch and the type box clutch.
- 3. <u>FUNCTION CLUTCH</u> Causes operation of the function bail, and of the stunt box stripper bail.
- 4. SPACING CLUTCH Advances the type box across the page.
- 5. <u>LINE FEED CLUTCH</u> Operates the linkage that feeds the paper.

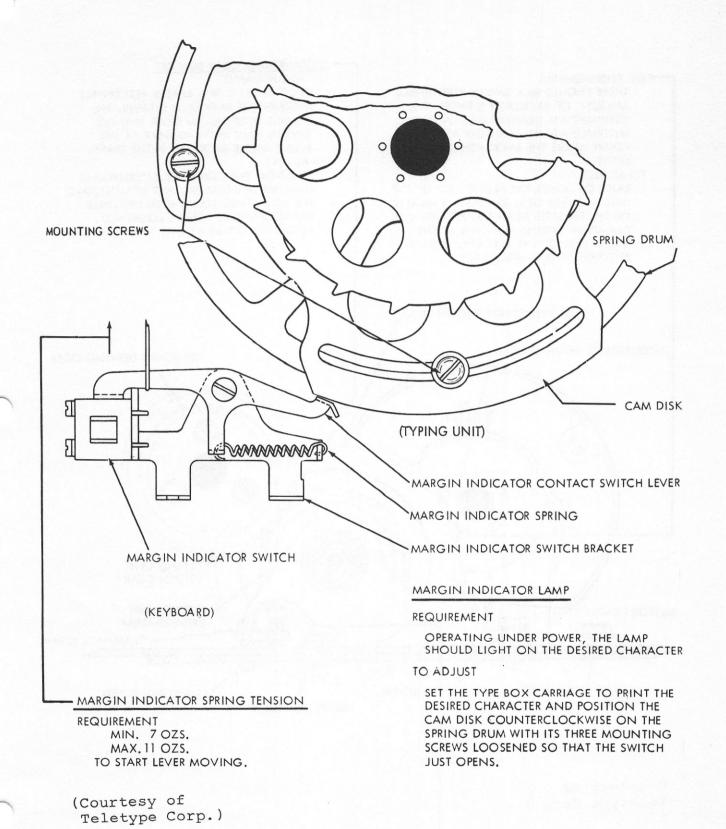
6. TYPE BOX CLUTCH -

- a) Prepares the unit for vertical positioning.
- b) Activates the ribbon feed.
- c) Prepares the unit for horizontal positioning.

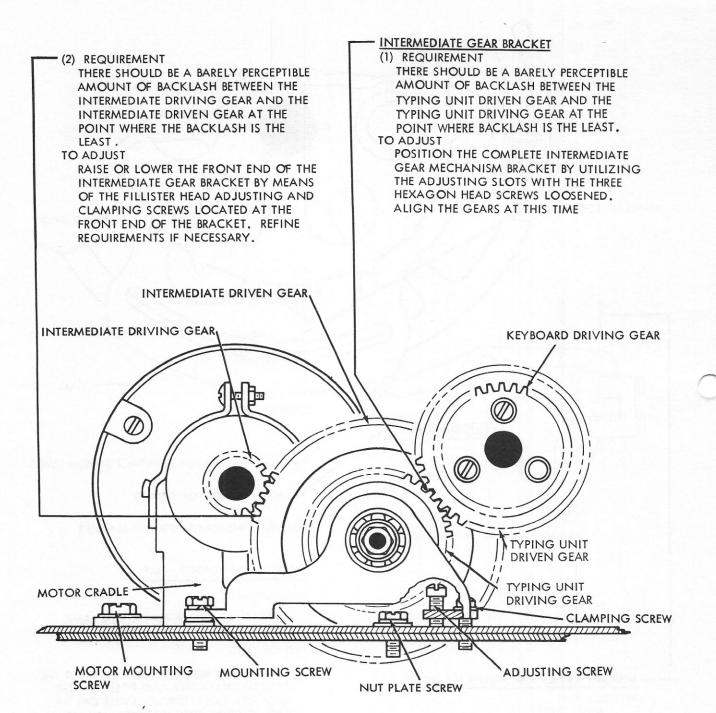


L. COMMON ADJUSTMENTS

The following pages of this section contain reproductions of selected procedures from manuals issued by the Teletype Corporation. Included are a few Keyboard adjustments, followed by Typing Unit adjustments, which, in the experience of the authors, have required most frequent attention. Contingent upon demand, this approach will be applied to future additions, with abridgement or clarification of instructions if necessary.

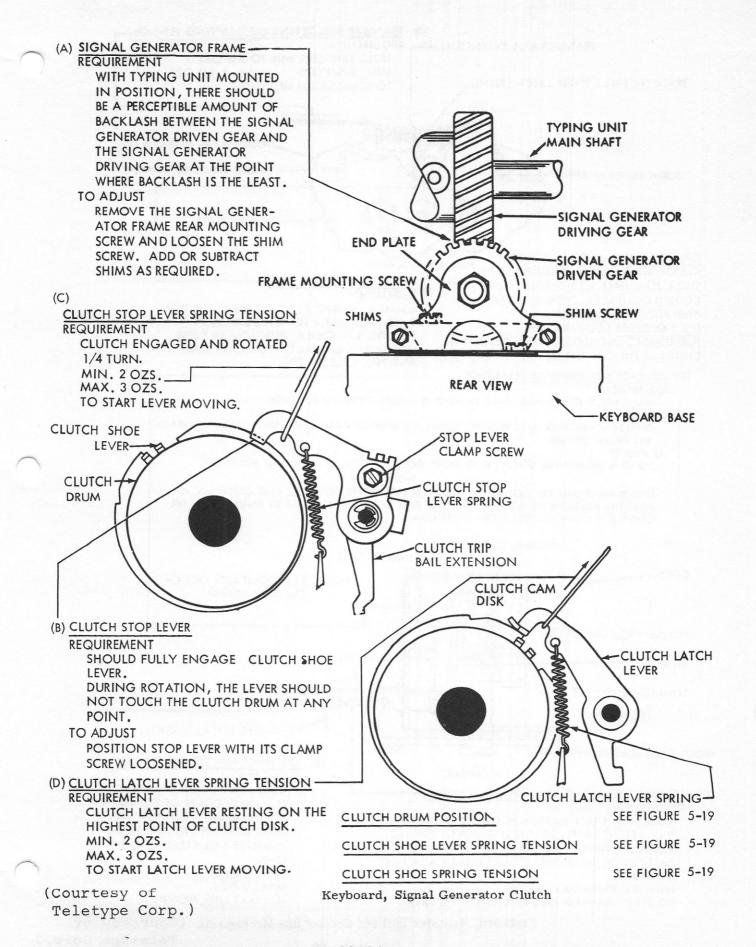


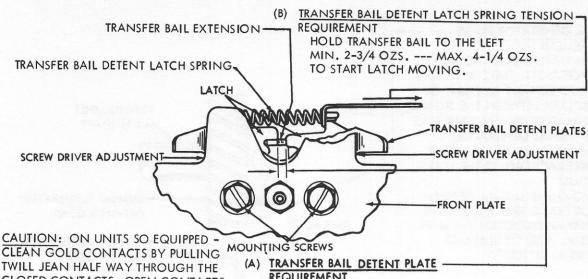
Typing Unit and Keyboard, Margin Indicating Mechanism



(Courtesy of Teletype Corp.)

Keyboard or Base, Intermediate Gear Assembly





TWILL JEAN HALF WAY THROUGH THE CLOSED CONTACTS, OPEN CONTACTS AND REMOVE TWILL JEAN. USE NO OTHER CLEANING OR BURNISHING METHODS. AVOID PITTING OR CHIPPING THE CONTACTS.

REQUIREMENT

EQUAL L. H. AND R. H. CLEARANCE WITHIN 0.002 INCH WHEN TRANSFER BAIL IS AT EXTREME L.H. OR R.H. POSITION AS THESE OCCUR IN A CHARACTER BETWEEN START AND NO. 1 PULSES ONLY.

(C) CONTACT BOX CONTACT CLEARANCE

REQUIREMENT

MARKING AND SPACING GAPS SHOULD BE EQUAL WITHIN 0.001 INCH.

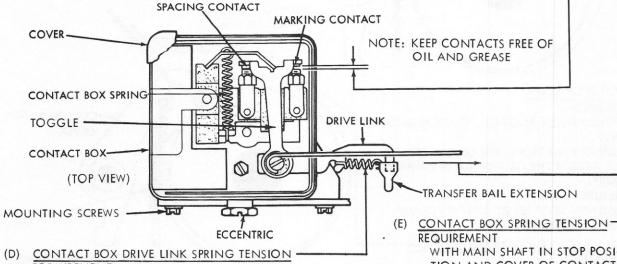
TO CHECK

DEPRESS Y KEYLEVER AND ROTATE SIGNAL GENERATOR CAM SLEEVE UNTIL EACH CONTACT HAS FULLY OPENED.

LOOSEN MOUNTING SCREWS AND MOVE CONTACT BOX BY MEANS OF ECCENTRIC.

NOTE

CHECK BY MEANS OF SIGNAL CHECKING DEVICE WHERE POSSIBLE, AND CAREFULLY RE-FINE THE ADJUSTMENT TO ELIMINATE ALL BIAS FROM THE SIGNALS BY EQUALIZING THE CURRENT-ON AND CURRENT-OFF INTERVALS.



REQUIREMENT

WITH MAINSHAFT IN STOP POSITION AND TRANSFER BAIL DETENT LATCH SPRING UNHOOKED (SEE FIG. ABOVE) MOVE LATCHES AWAY FROM TRANSFER BAIL EXTENSION. HOLD THE TOGGLE FIRMLY AGAINST CONTACTS.

MIN. 6 OZS .--- MAX. 9 OZS.

TO START TRANSFER BAIL EXTENSION MOVING.

WITH MAIN SHAFT IN STOP POSI-TION AND COVER OF CONTACT BOX REMOVED, UNHOOK THE DRIVE LINK SPRING AND HOLD TRANSFER BAIL CLEAR OF DRIVE LINK

MIN. 2 OZS.

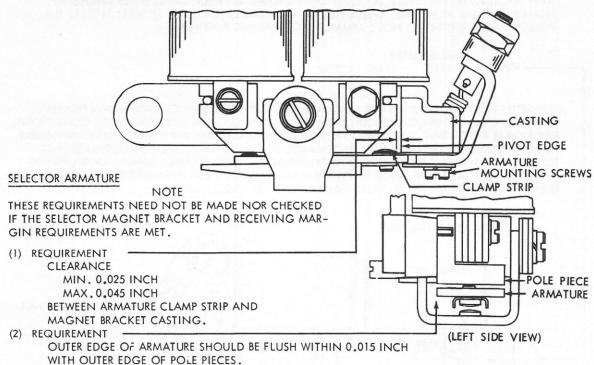
MAX. 3 OZS.

TO START LINK MOVING.

Keyboard, Transfer Bail and Contact Box Mechanisms (Courtesy of Teletype Corp.) M28 - 40

d. TYPING UNIT - LP77YD/AGM, LP77YD/AJV AND LP124YD/AJU

NOTE: TO FACILITATE MAKING THE FOLLOWING ADJUSTMENTS, REMOVE THE RANGE FINDER AND SELECTOR MAGNET ASSEMBLIES. TO INSURE BETTER OPERATION, PULL A PIECE OF BOND PAPER BETWEEN THE ARMATURE AND THE POLE PIECES TO REMOVE ANY OIL OR FOREIGN MATTER THAT MAY BE PRESENT. MAKE CERTAIN THAT NO LINT OR PIECES OF PAPER REMAIN BETWEEN THE POLE PIECES AND ARMATURE.

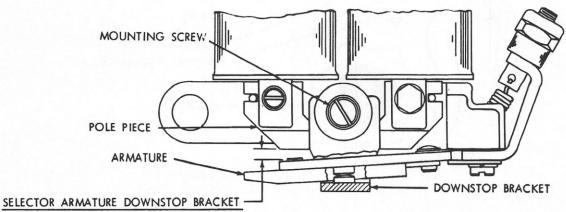


(3) REQUIREMENT

START LEVER SHALL DROP FREELY INTO ARMATURE EXTENSION SLOT.

TO ADJUST

POSITION ARMATURE SPRING ADJUSTING NUT TO HOLD ARMATURE FIRMLY AGAINST PIVOT EDGE OF CASTING. POSITION ARMATURE WITH MOUNTING SCREWS LOOSENED.



REQUIREMENT

REMOVE OIL SHIELD. WITH MAGNET DE-ENERGIZED, LOCK LEVERS ON HIGH PART OF THEIR CAM, AND ARMATURE RESTING AGAINST ITS DOWNSTOP, CLEARANCE BETWEEN END OF ARMATURE AND LEFT EDGE OF LEFT POLE PIECE.

MIN. 0.025 INCH

MAX. 0.030 INCH

TO ADJUST

POSITION DOWNSTOP BRACKET WITH MOUNTING SCREW LOOSENED.

(Courtesy of Teletype Corp.)

SELECTOR ARMATURE SPRING

(FOR UNITS EMPLOYING SELECTOR ARMATURE WITH SINGLE ANTI-FREEZE BUTTON ONLY).
REQUIREMENT (PRELIMINARY)

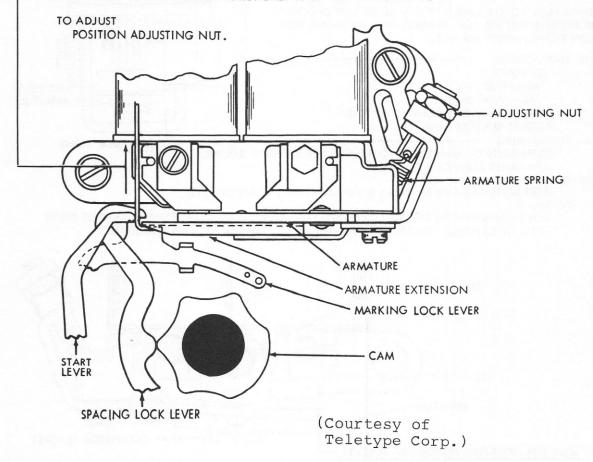
WITH LOCKING LEVERS AND START LEVER ON HIGH PART OF THEIR CAMS, SCALE APPLIED AS NEARLY VERTICAL AS POSSIBLE UNDER END OF ARMATURE EXTENSION. IT SHALL REQUIRE THE FOLLOWING TENSIONS TO MOVE ARMATURE TO MARKING POSITION:

0.035 AMPERES

- MIN. 1-1/2 OZS. --- MAX. 2 OZS.

NOTE

THIS SPRING CAN BE ADJUSTED FOR MAXIMUM SELECTOR PERFORMANCE ONLY WHEN PRINTER IS CONNECTED TO THE SPECIFIC CIRCUIT OVER WHICH IT IS TO OPERATE UNDER SERVICE CONDITIONS. SINCE THERE ARE SEVERAL OPERATING SPEEDS AND SINCE CIRCUITS VARY WIDELY, IT IS IMPOSSIBLE TO ADJUST SPRING FOR MAXIMUM PERFORMANCE AT THE FACTORY. THE FOREGOING SPRING TENSION REQUIREMENT IS GIVEN TO PERMIT OPERATION PRIOR TO MEASUREMENT OF RECEIVING MARGINS. READJUSTMENT MADE TO OBTAIN SATISFACTORY RECEIVING MARGIN SHOULD NOT BE DISTURBED IN ORDER TO MEET REQUIREMENTS OF THIS ADJUSTMENT.

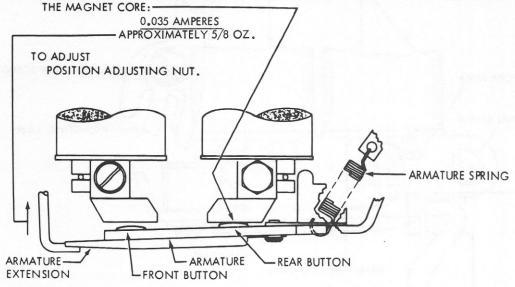


REQUIREMENT (FINAL)
SEE SELECTOR RECEIVING MARGIN ADJUSTMENT
FIGURE 5-9.

SELECTOR ARMATURE SPRING

(FOR UNITS EMPLOYING SELECTOR ARMATURE WITH TWO ANTI-FREEZE BUTTONS ONLY).
REQUIREMENT (PRELIMINARY)

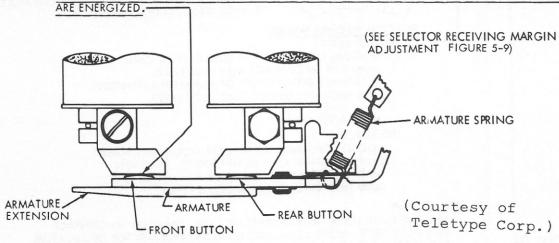
WITH LOCKING LEVERS AND START LEVER ON HIGH PART OF THEIR CAMS, SCALE APPLIED AS NEARLY VERTICAL AS POSSIBLE UNDER END OF ARMATURE EXTENSION. IT SHALL REQUIRE APPROXIMATELY THE FOLLOWING TENSIONS TO MOVE THE REAR ANTI-FREEZE BUTTON AGAINST

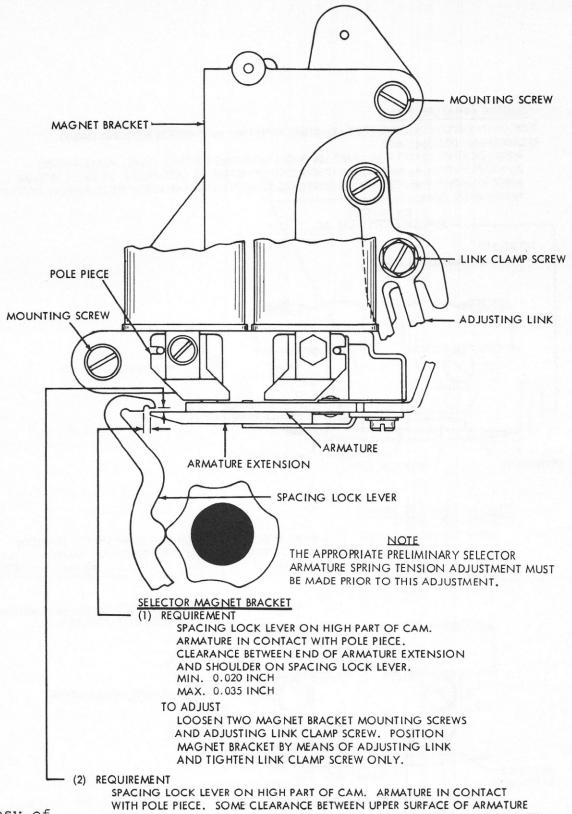


SELECTOR ARMATURE SPRING

REQUIREMENT (FINAL)

WHEN A DISTORTION TEST SET IS AVAILABLE, THE SELECTOR ARMATURE SPRING TENSION SHOULD BE REFINED, IF NECESSARY, TO OBTAIN SATISFACTORY RECEIVING MARGINS. THE FRONT ANTI-FREEZE BUTTON MUST CONTACT THE MAGNET CORE WHEN THE MAGNET COILS



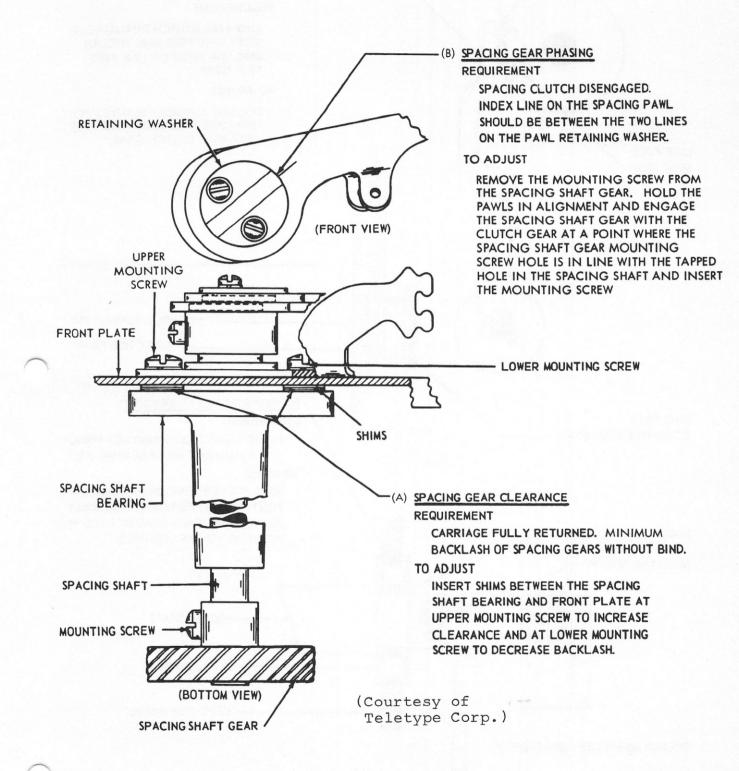


(Courtesy of Teletype Corp.) EXTENSION AND LOWER SURFACE OF SPACING LOCK LEVER WHEN LOCK LEVER IS HELD DOWNWARD.

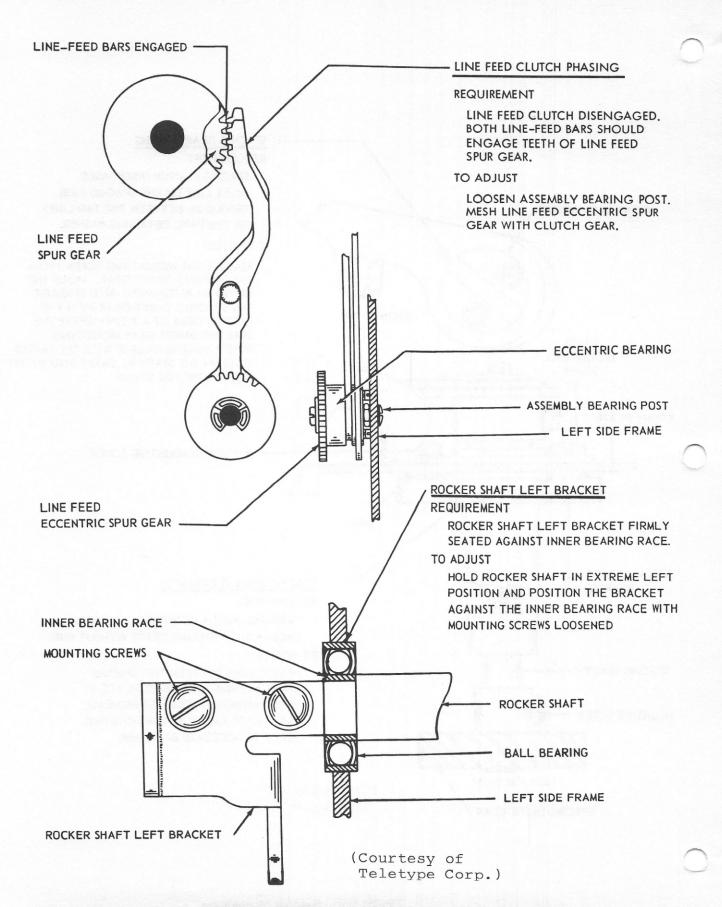
MAX. 0.003 INCH

POSITION UPPER END OF MAGNET BRACKET. TIGHTEN TWO MAGNET BRACKET MOUNTING SCREWS. RECHECK REQUIREMENT (1).

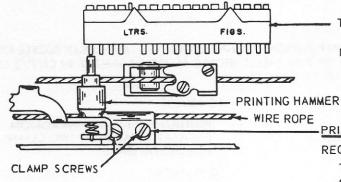
Typing Unit, Selector Magnet Bracket



Typing Unit, Spacing Mechanism



Typing Unit, Line Feed and Rocker Shaft Mechanisms



(TOP VIEW)

TYPE BOX

NOTE: CHECK RELATED ADJUSTMENTS, FIGURES 5–25, 5–37, AND 5–38, IF THE FOLLOW-ING ADJUSTMENTS ARE REMADE.

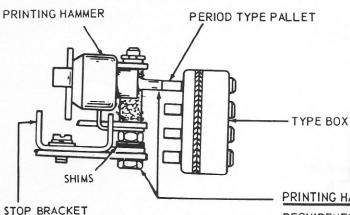
PRINTING CARRIAGE POSITION

REQUIREMENT

TYPE BOX IN LETTERS POSTION.M TYPE PALLET SELECTED. TYPE BOX IN PRINTING POSITION. M TYPE PALLET SHOULD BE APPROXIMATELY IN CENTER OF PRINTING HAMMER WHEN HAMMER IS JUST TOUCHING M TYPE PALLET. TAKE UP PLAY IN TYPE BOX CARRIAGE IN EACH DIRECTION AND SET HAMMER IN CENTER OF PLAY

TO ADJUST

POSITION PRINTING CARRIAGE ON WIRE ROPE WITH CLAMP SCREWS LOOSENED.



(RIGHT SIDE VIEW)

(Courtesy of Teletype Corp.)

PRINTING HAMMER BEARING STUD

REQUIREMENT

TYPE BOX AT MIDPOINT OF PLATEN AND IN POSITION TO PRINT PERIOD. PRINTING HAMMER IN CONTACT WITH TYPE PALLET AND PRESSED DOWNWARD AT BEARING POST. FACE OF HAMMER SHOULD BE FULLY ON END OF TYPE PALLET.

TO ADJUST

ADD OR REMOVE SHIMS BETWEEN SHOULDER ON BEARING POST AND STOP BRACKET.

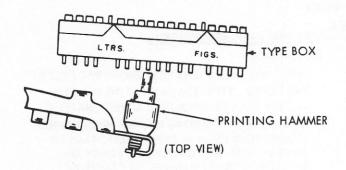
Typing Unit, Printing Carriage

M28-47

SHIFT LINKAGE

REQUIREMENT

CARRIAGE NEAR MIDPOINT OF PLATEN. TYPE BOX IN POSITION TO PRINT LETTER "O". MANUALLY BUCKLE RIGHT SHIFT LINKAGE. SHIFT TYPE BOX TO LEFT. FIGURE "9" TYPE PALLET SHOULD BE APPROXIMATELY IN CENTER OF PRINT HAMMER WHEN HAMMER IS JUST TOUCHING "9" TYPE PALLET.

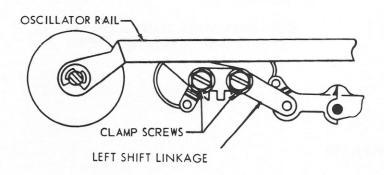


TO ADJUST

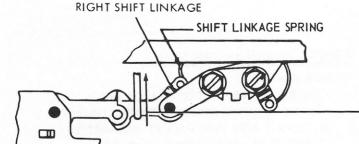
POSITION LEFT SHIFT LINKAGE ON OSCILLATOR RAIL WITH TWO CLAMP SCREWS LOOSENED

TO RECHECK

SHIFT ALTERNATELY FROM "O" TO "9". TAKE UP PLAY IN EACH DIRECTION. REFINE ADJUSTMENT IF NECESSARY.



(FRONT VIEW)



(Courtesy of Teletype Corp.)

SHIFT LINKAGE SPRING TENSION

REQUIREMENT

LINK IN STRAIGHT POSITION

MIN. 6 OZS.

MAX. 14 OZS.

TO START EACH LINK MOVING.

5 M 94

(A) PRINTING TRACK

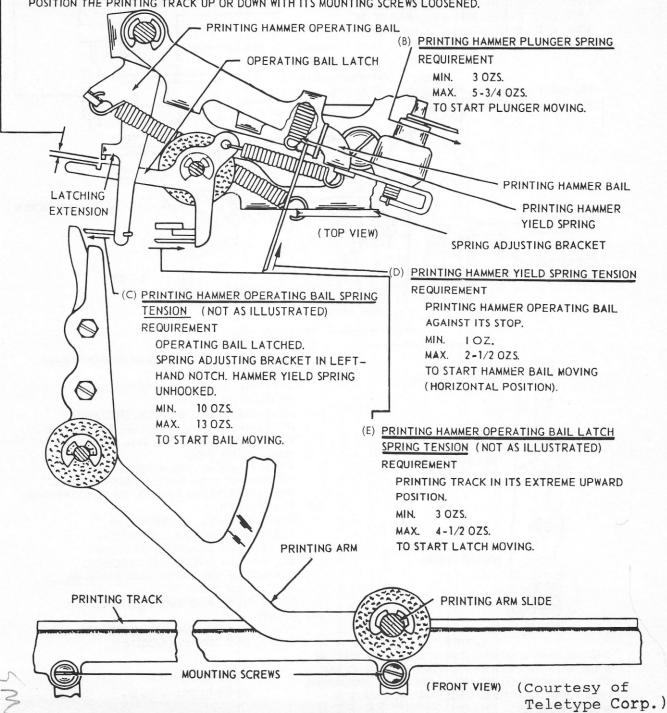
REQUIREMENT

PRINTING TRACK IN ITS EXTREME DOWNWARD POSITION. BLANK SELECTION IN FIGURES. PRINTING HAMMER OPERATING BAIL LATCHING EXTENSION HELD WITH LEFT FACE IN LINE WITH THE LATCH SHOULDER. PRINTING ARM SLIDE POSITIONED ALTERNATELY OVER EACH TRACK MOUNTING SCREW. PRINTING BAIL RESET EACH TIME. CLEARANCE BETWEEN LATCHING EXTENSION AND OPERATING BAIL LATCH SHOULD BE

0.015 INCH MAX. 0.040 INCH MIN.

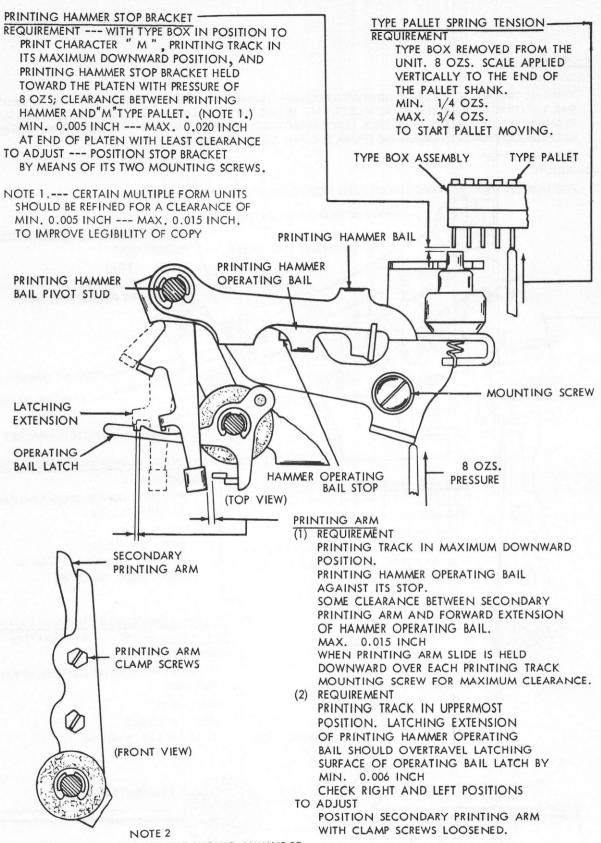
TO ADJUST

POSITION THE PRINTING TRACK UP OR DOWN WITH ITS MOUNTING SCREWS LOOSENED.



Typing Unit, Printing Mechanism

M28-49

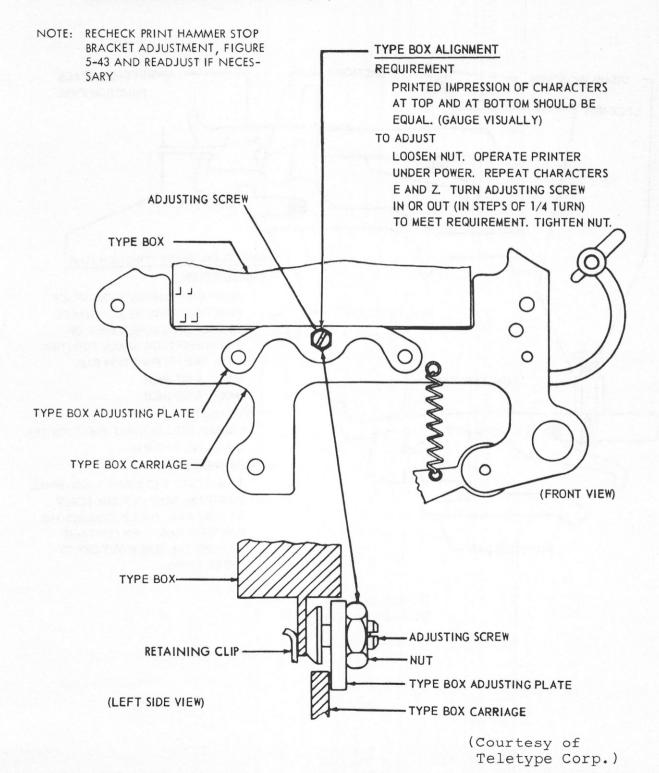


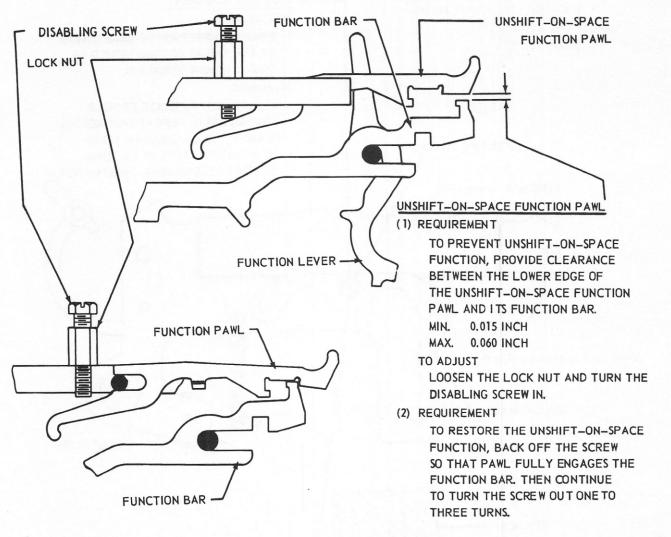
THE PRINTING ARM ADJUSTMENT SHOULD ALWAYS BE MADE WITH THE PRINTING HAMMER OPERATING BAIL SPRING BRACKET IN THE NO. 1 POSITION. POSITIONS NO. 2 AND 3 ARE TO BE USED ONLY FOR MAKING MULTIPLE COPIES.

(Courtesy of Teletype Corp.)

Typing Unit, Printing Mechanism

NOTE: THIS ADJUSTMENT SHOULD BE MADE WITH THE TYPE BOX IN ITS UPPER POSITION.





(Courtesy of Teletype Corp.)