

***INSTRUCTIONS FOR INSTALLING THE 159417, 163256, OR 179965 MODIFICATION KIT TO PROVIDE A VARIABLE SPEED DRIVE FOR THE MODEL 28 TYPING REPERFORATOR SET (RECEIVING-ONLY)**

1. GENERAL

*a. The 159417, 163256, or 179965 Modification Kit when installed on a Receive-Only Model 28 Typing Reperforator Set provides a variable speed drive mechanism. This mechanism permits the selection and locking of the reperforator at speeds of 60, 75 or 100 wpm (for the 159417 Modification Kit), 60, 67, or 75 wpm (for the 163256 Modification Kit), 45.5, 50, or 75 Baud (for the 179965 Modification Kit. To select one of these speeds the motor unit must be turned off.

*b. The Modification Kit consists of:

			<u>159417</u>	<u>163256</u>	<u>179965</u>
3	2669	Washer, Lock	X	X	X
3	3438	Washer, Flat	X	X	X
1	156866	Belt, Timing	X	X	X
3	156887	Screw	X	X	X
1	156958	Gear, Sprocket - 21T	X	X	X
1	156964	Gear, Helical - 9T	X	X	X
1	159420	Gear Shift Assembly	X		
1	163257	Gear Shift Assembly		X	
1	179968	Gear Shift Assembly			X

c. For part numbers referred to and for parts ordering information see Teletype Model 28 Typing Reperforator Set Parts Bulletin 1167B.

2. INSTALLATION

a. Remove and retain the tape container from its base by removing its two mounting screws.

b. Remove and discard the two screws and lock washers holding the guard to the single shaft intermediate drive assembly.

c. Remove and discard the 156866 Timing Belt.

d. Remove and discard the three screws and lock washers that hold the single shaft intermediate drive to the base. Discard the intermediate shaft assembly

e. Remove and retain the mounting screw and lock washer that hold the pinion to the motor unit main shaft; discard the pinion.

*Indicates Change

f. Remove and retain the mounting screw and lock washer that hold the drive sprocket to its hub on the typing reperforator main shaft; discard the sprocket.

g. Fasten the 156964 Gear to the motor main shaft using the screw and lock washer previously removed in Paragraph 2.e.

h. Fasten the 156958 Gear to the typing reperforator main shaft using the screw and lock washer previously removed in Paragraph 2.f.

*i. Place the speed selector lever in the center position (67, 100 WPM or 75 Baud). Remove the four 151631 Screws that fasten the 156968 Gear Shift Guide Plate and remove the 156968 Plate, from the 159420 or 163257 Assembly, by lifting up along the direction of the open slot. Remove the two 151631 Screws that secure the 159433 Plate and remove the plate. Make the Gear Shift Guide Plate Adjustment.

*j. Fasten, but do not tighten, the 159420, 163257, or 179968 Gear Shift Assembly (less parts removed in Paragraph 2.i.) to the base using three 156887 Screws, 3438 Lock Washers and 2669 Washers.

k. Place the 156866 Timing Belt over the two sprockets. Make the Timing Belt, Gear Mesh and Motor Adjusting Stud Adjustments in accordance with standard practice.

l. Tighten the 156887 Screws (installed in Paragraph 2.j.) and recheck the Motor Adjusting Stud Adjustment.

m. Reinstall the 156968 Gear Shift Guide Plate and 159433 Plate (removed in Paragraph 2.i.) and make the Gear Mesh Adjustment.

n. Remount the tape container.

3. ADJUSTMENTS AND LUBRICATION

For adjustment and lubrication procedure refer to standardized information Teletype Bulletin 247B.