PAPER WINDERS - 15 TYPE

DESCRIPTION

1. GENERAL

1.01 This section describes the 15-type paper winders recommended for use in the handling of teletypewriter paper. This section also contains a brief description of the associated modification kits used with these paper winders to adapt them for specific purposes.

1.02 The double asterisk (**) following a part or assembly number included in this section designates a two-number suffix (Bell System codes) which denotes the color of the finish in which the apparatus is available. These numbers, together with the corresponding two-letter suffix used with Teletype Corporation codes, are as follows:

Finish (See Note)	Bell System Suffix	Teletype Corp Suffix
Black Wrinkle	37	AA
Gray-green Wrinkle	40	AB
Light Brown Wrinkle	39	AC
Dark Brown Wrinkle	38	AD
Walnut Grain	35	CA

Note: In addition to the colors listed, other colors may be obtained on request.

2. DESCRIPTION - PAPER WINDERS - 15 TYPE

2.01 Paper winders (formerly sometimes called page winders) are motor-driven mechanisms provided to wind the printed-page copy on a cylinder as the copy emerges from a friction-feed typing unit. The 15A** to 15F**, inclusive, paper winders are intended to mount on a 15 teletypewriter cover, and with the addition of a modification kit can be adapted for use on a 28 teletypewriter cabinet containing a 28 friction-feed typing unit. Descriptive information on 15-type paper winders is given in Table A.

TABLE A

15-TYPE PAPER WINDERS

Code No.	Paper Width (Inches)	Capacity of Spindle (Feet of Paper)	Motor Drive	Notes
15A**	6 to 8-1/2	400	60-Cy AC	1, 2, 3
15B**	4-1/2 to 5	400	60-Cy AC	1, 2, 3
15C**	6 to 8-1/2	400	DC or 25- or 60-Cy AC	1, 2, 3 4, 5
15D**	4-1/2 to 5	400	DC or 25- or 60-Cy AC	1, 2, 3 4, 6
15E**	6 to 8-1/2	400	60-Cy Sync	1, 3, 7
15F**	4-1/2 to 5	400	60-Cy Sync	1, 3, 8

Notes:
1. Width of paper to be wound must be specified, since spindles are cut to size required when paper winders are ordered.
2. All the paper winders except the 15E** and 15F** have the same universal motor. With the 15C** and 15D** paper winders, however, a TP104851 resistor set of parts is furnished when the winder is to be operated on dc or 25-cycle ac power supply and the internal wiring is modified to connect 250 ohms across the motor armature instead of the 500 ohms used in the case of 60-cycle ac power supply.
3. There are approximately 400 feet of paper in a full 5-inch diameter roll of KS-1920 paper.
4. Where 60-cycle ac power supply is available, it is preferable to use a 15A**, 15B**, 15E**, or 15F** paper winder, since less motor heat is developed on 60-cycle ac power than on dc or 25-cycle ac power supply.
5. Similar to 15A** paper winder except a mesh-cage resistor assembly is added for operation on dc and 25-cycle ac installations.

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Notes (Continued):

6. Similar to 15B** paper winder except a mesh-cage resistor assembly is added for operation on dc and 25-cycle ac installations.
7. Similar to 15A** paper winder except that it is equipped with a 60-cycle synchronous motor.
8. Similar to 15B** paper winder except that it is equipped with a 60-cycle synchronous motor.

3. DESCRIPTION - MODIFICATION KITS AND ASSEMBLIES

3.01 The TP123925 paper guide is available for use with a paper winder on a 15 teletypewriter cover to permit feeding paper toward the back of the cover when it is not desired to accumulate paper on the paper winder. The paper guide is of 0.025-inch sheet steel, approximately 4-1/2 inches wide by 9-1/2 inches long, and is arranged to be clamped under the thumbscrews which normally secure the paper winder to the top of the cover. It extends forward and down to guide the paper up over the winder base toward the rear of the teletypewriter without catching on the base or its mounting screws. After installation, the proper clearance between the guide plate and the cover glass may be obtained easily by readjusting the cover lip and then bending the guide plate to make contact with it.

3.02 The TP104851 modification kit contains a 100-ohm mesh-cage resistor and is furnished with 15C** and 15D** paper winders when the winder is to be operated on 110-volt dc or 25-cycle ac power supply and the internal wiring is modified to connect 250 ohms across the motor armature instead of the 500 ohms used in the case of 60-cycle ac power supply.

3.03 The TP129428 modification kit when installed on a paper winder mounted on a 15 teletypewriter cover provides reverse rotation of the winder to allow the use of 2-copy paper with interleaved carbon. The reverse rotation of the paper winder permits winding the carbon copy on the spindle of the paper winder, passing the carbon paper over the top of the winder into a container in the rear, and tearing off the original.

Note: The TP129428 modification kit is intended for shop installation only.

3.04 The TP136146 modification kit is intended for use where it is necessary to convert a 15 paper winder from operation by a universal motor (brush type) to operation by a synchronous speed-reducer motor (brushless). The modification kit consists of a synchronous gear-reduction motor, two 3-wire cord connectors, and the bracket and mounting parts necessary for mounting the motor. The synchronous motor operates on 115 volts, 60 cycles, single-phase alternating current. It has a 30 to 1 speed reduction and has an output shaft speed of 60 revolutions per minute. The paper spindle of the paper winder is directly connected to the motor through a friction-clutch mechanism.

3.05 The 153901** modification kit provides the means of adapting a 15 paper winder for use on a 28 teletypewriter cabinet to accumulate typed copy from a 28 friction-feed teletypewriter. The kit contains a bracket designed to mount the paper winder and also includes the parts necessary to install the bracket on a 28 teletypewriter cabinet.