

ADDITIONS TO BULLETIN 184B, ISSUE 1
TO INCORPORATE DESCRIPTIVE AND ADJUSTING INFORMATION
FOR THE PORTABLE SIGNAL DISTORTION TEST SET
ED58HE

1. GENERAL

The ED58HE Portable Signal Distortion Test Set is like the ED51 except that it is equipped with a governed motor. This arrangement maintains the speed of the unit within the required limits when the A. C. power source furnished to the installation is unregulated. The Test Set is also arranged to operate at frequencies lower than the conventional 50 or 60 cycles.

The unit is wired at the factory for 60 to 65 cycle operation. When 50, 40 or 25 cycle operation is desired, the power lead is moved to the appropriate tap of the series resistor. Refer to the wiring diagram associated with the unit.

A power leads filter and a signal line filter are incorporated to minimize the radio frequency disturbance set up by the unit. Gears for 60, 75 and 100 word speed are available. Two of the unused sets of gears are stored within the unit. The third wire in the power cord provides a connection for attaching a ground terminal.

2. INSTRUCTIONS

A section of the guard is cut-out so that the 6 and 35 spot target may be viewed with an 87.6 V.P.S. fork and to facilitate the screw driver adjustment of speed regulator adjusting screw.

CAUTION: The power cord should be disconnected from its receptacle and the target rotated by hand in a direction that will not distort the distributor brushes when locating and positioning the speed regulator adjusting screw.

An approximate speed setting is obtained by viewing the six spot target. Refine the speed adjustment to obtain the 3600 r.p.m. setting by viewing the 35 spot target.

When viewing the test signals on a DXD, the line filter switch may be moved to the OUT position to provide a sharper cut-off of the pulses.

3. ADJUSTMENTS

Same as shown in Bulletin 184B

4. LUBRICATION

Same as shown in Bulletin 184B Except Add: Oil the wicks at each motor bearing.

NOTE: To guard against operating failures. It is important that the distributor brushes, distributor segments, and gaps between segments be frequently cleaned.

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