

TIMERS
KS-16329, L1 AND L2
PIECE-PART DATA AND REPLACEMENT PROCEDURES

1. GENERAL

1.01 This section covers the information necessary for ordering parts to be used in the maintenance of the KS-16329, L1 and L2 timers. It also covers approved procedures for replacing these parts.

1.02 This section is reissued to add information for the KS-16329, L2 timer and to delete information for the contact spring assemblies which experience has shown are not replaceable in the field.

1.03 Part 2 of the section covers the various parts which may be replaced in the field in the maintenance of this apparatus. No attempt should be made to replace parts not designated. Part 2 also contains explanatory figures showing

the different parts. This information is called Piece-Part Data.

1.04 Part 3 of this section covers the approved procedures for the replacement of parts covered in Part 2. This information is called Replacement Procedures.

2. PIECE-PART DATA

2.01 The figures included in this part show the parts in their proper relation to other parts of the timer. The piece-part numbers of the parts are given together with the names of the parts listed by the Western Electric Merchandise Department. Where these names differ from those in general use in the field, the latter names, in some cases, are shown in parentheses.

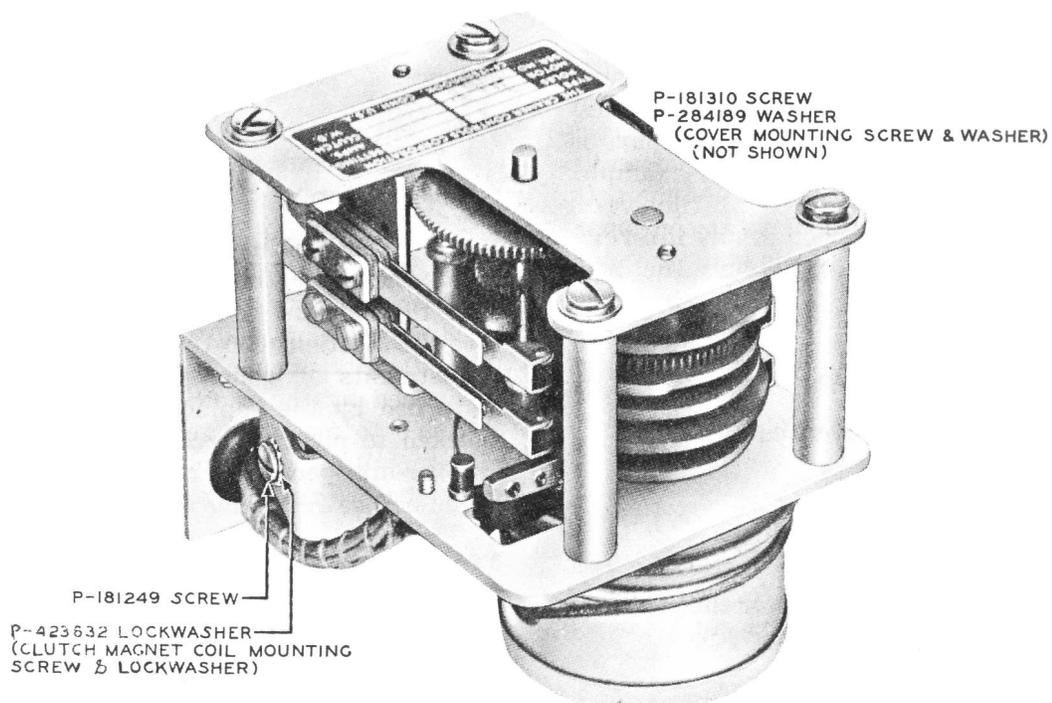


Fig. 1 — KS-16329, L1 and L2 Timers — Left Top View — Cover Removed (L1 Shown)

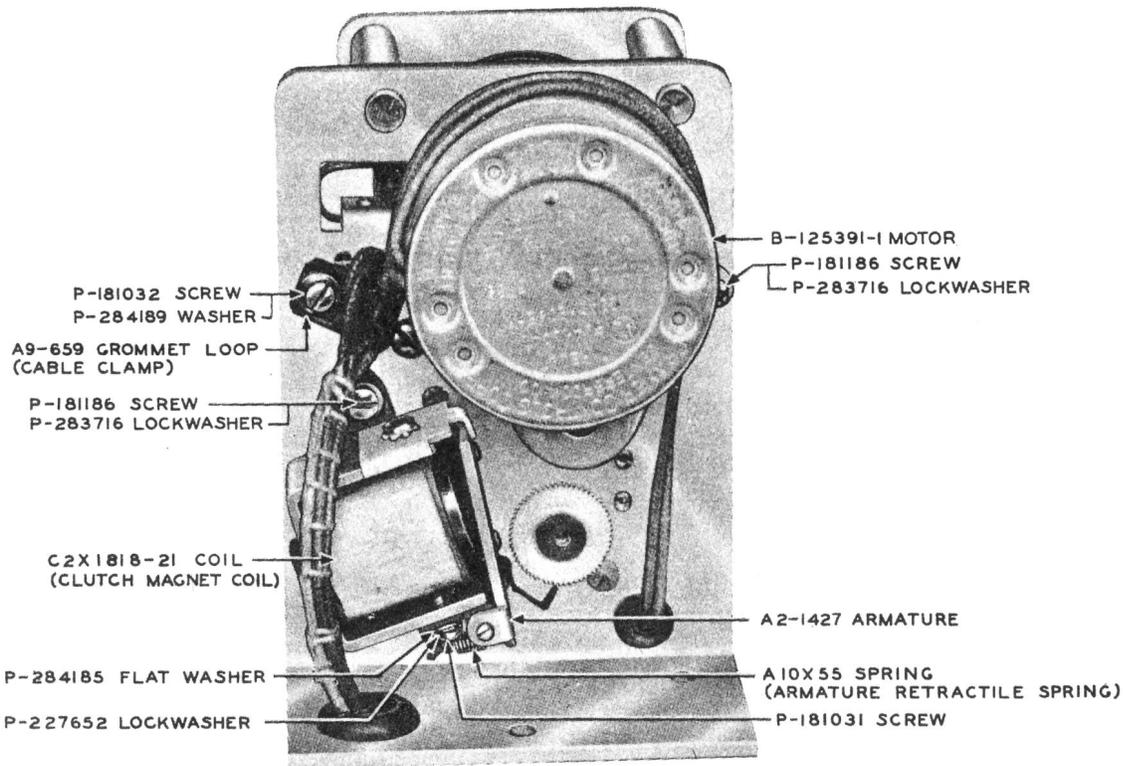


Fig. 2 — KS-16329, L1 and L2 Timers — Bottom View (L1 Shown)

2.02 When ordering parts for replacement purposes that have a P number, give both the name and number of the piece part, for example, P-181186 screw. When ordering parts designated by other than P numbers, give the complete designation of the part and state that the part is for the KS-16329, L1 or L2 timer, for example, B-125391-1 motor for KS-16329, L1 timer. Do not refer to the BSP number or to any information shown in parentheses following the part designation.

3. REPLACEMENT PROCEDURES

3.01 *List of Tools and Materials*

CODE OR SPEC NO.	DESCRIPTION
KS-8511	Tweezers
—	3-Inch C Screwdriver (or the replaced 3-inch cabinet screwdriver)
—	B Splicers Scissors
MATERIALS	
—	Friction Tape

3.02 Before making any replacement of parts of the timer, take the associated circuit out of service in accordance with approved procedures.

3.03 No replacement procedures are specified for screws or other parts where the procedure consists of a simple operation.

3.04 After making any replacement of parts on the timer, the part or parts replaced shall meet the readjust requirements involved as specified in Section 030-159-701. Other parts, the adjustments of which may have been directly disturbed by the replacing operations, shall be checked to meet the readjust requirements and an over-all operation check shall be made of the timer before restoring the circuit to service.

3.05 To gain access to the timer, remove the cover using the 3-inch C screwdriver to remove the cover screws. When it is necessary to gain access to parts which are inaccessible when the timer is mounted, remove the mounting screws with the 3-inch C screwdriver and pull the timer forward taking care not to damage the leads.

3.06 Motor: To replace the motor, proceed as follows.

- (a) Cut stitching from the leads at the timer using the B splicers scissors.
- (b) Remove the cable clamp mounting screw and washer, using the 3-inch C screwdriver, and remove the clamp.
- (c) Identify the lead that runs from the terminal strip directly to the motor. Disconnect this lead at the terminal strip, noting the terminal to which it was connected. Disconnect the other motor lead from the motor cam contact spring.
- (d) Remove the motor mounting screws and lockwashers using the 3-inch C screwdriver. Remove the motor.
- (e) Mount the new motor. Connect one motor lead to the proper terminal on the terminal strip and the other to the motor cam contact spring.
- (f) Dress the leads and secure them with the cable clamp on the timer. Tape the portion of the leads from which the stitching was removed, using friction tape.

3.07 Clutch Magnet Armature: To replace the clutch magnet armature, proceed as follows.

- (a) Remove the armature retractile spring using the KS-8511 tweezers.
- (b) Remove the magnet mounting screws and associated washers using the 3-inch C screwdriver.

- (c) Move the magnet as required to gain access to the armature mounting screws taking care not to damage the leads. Remove the armature mounting screws and associated washers with the 3-inch C screwdriver and remove the armature.

- (d) Substitute the new armature and remount the parts in the reverse order of removal.

3.08 Clutch Magnet Coil: To replace the clutch magnet coil, proceed as follows.

- (a) Cut stitching from the leads at the timer using the B splicers scissors.

- (b) Remove the cable clamp mounting screw and washer, using the 3-inch C screwdriver, and remove the clamp.

- (c) Identify the leads that run from the terminal strip to the clutch magnet coil. Disconnect these leads at the terminal strip, noting the terminals to which they were connected.

- (d) Remove the coil mounting screw and lockwasher, using the 3-inch C screwdriver, and remove the coil.

- (e) Mount the new coil. Connect the leads to the proper terminals on the terminal strip.

- (f) Dress the leads and secure them on the timer with the cable clamp. Tape the portion of the leads from which the stitching was removed, using friction tape.