
COLLINS RADIO COMPANY

Field Service Department

Cedar Rapids, Iowa



EQUIPMENT SERIES: 51S SERVICE BULLETIN NO. 4

DATE: 8-9-65

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EQUIPMENT TYPE: 51S-1/LA/LAF/1F COMMUNICATION RECEIVER

SUBJECT: ADDITION OF DIAL LOCK ASSEMBLY

The modification in this bulletin provides a locking assembly for the kilocycle tuning control. Installation of this assembly will eliminate frequency changes due to mechanical vibration.

This modification is to be incorporated at the option of the customer.

This modification will be incorporated in production units.

The 7th Edition of the 51S-1/LA/1F/LAF Receiver Instruction Book will include the modification covered in this bulletin.

The estimated time required to perform this modification is 5 minutes.

MODIFICATION PROCEDURE:

1. Remove the kilocycle tuning control knob using a no. 8 Bristol wrench to loosen the setscrews.
2. Remove and discard the small black oval-head screw located on front panel directly below main tuning knob shaft.
3. Assemble the lock assembly as follows:
 - a. Insert bushing (757-8613-001) into lock arm (757-8614-001) with the chamfered side of bushing toward the lettered side of the lock arm.
 - b. Insert lock arm and bushing into spring assembly (757-8610-001) with the larger hole of the spring assembly toward the lettered side of the lock arm.
 - c. Insert screw (342-1824-000) into chamfered side of bushing.
4. Attach the lock assembly to the kilocycle tuning shaft using the threaded hole from which the screw was removed in step 2. Position the assembly so that the lock arm and the Corprene pad are pointing toward the bottom of the front panel.

5. Tighten the screw in the bushing into the front panel, and check the operation of the lock assembly noting that when the lock arm is moved to the right, the Corprene pad should spring away from the front panel.
6. Reinstall kilocycle tuning control knob, tighten the setscrew, and note that the knob does not rub against the Corprene pad when the lock arm is pointing down.

PARTS REQUIRED:

Price: \$3.55

Modification kit 757-8616-001 consists of the following items:

<u>Qty</u>	<u>Description</u>	<u>Collins Part Number</u>
1	Bushing, pivot, brass	757-8613-001
1	Arm, lock	757-8614-001
1	Spring, dial lock-cemented	757-8610-001
1	Screw, 4-40 x 1/2-inch, machine, steel	342-1824-000

The above parts may be obtained from Collins Radio Company, Service Parts Department, Cedar Rapids, Iowa at the price indicated. The price is subject to change without notice. All orders should specify modification kit 757-8616-001 and make reference to 51S Service Bulletin No. 4. The parts will be available for shipment 1 September 1965.