

BELL SYSTEM PRACTICES
Station Installation and Maintenance

SECTION C55.802
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Standard

RADIO FREQUENCY SUPPRESSION APPARATUS

61-A, B, C, D, E, F, G, H, AND J FILTERS DESCRIPTION AND USE

1. GENERAL

1.01 This section gives general information pertaining to the 61-A, 61-B, 61-C, 61-D, 61-E, 61-F, 61-G, 61-H and 61-J filters, such as their description, use and piece parts.

1.02 The section entitled "Radio Frequency Suppression Apparatus--Dial Stations" contains information pertaining to the condenser units and retardation coils which comprise the older types of suppression apparatus and also outlines a method and location at which to apply a red dot to apparatus so equipped in order to facilitate the identification of such apparatus.

1.03 The above method and locations at which to apply the red dot also apply to 61 type filters. Therefore, the red dot will, of course, be found on apparatus so equipped and shall be applied to apparatus in service when filters are added.

1.04 The 61 type filter takes the place of the condenser units and retardation coils mentioned in the section covering "Radio Frequency Suppression Apparatus--Dial Stations."

2. DESCRIPTION

2.01 The 61-A filter combines in one unit capacity, effective resistance and inductance and eliminates the need for a separate retardation coil which was necessary in certain cases with the older types of suppression apparatus. The filter unit is housed in a metal can with mounting lugs which measures overall approximately 1-5/8 in. long, 1-1/16 in. wide, and 15/32 in. high. This filter does not have brackets for mounting.

2.02 Each of the 61-B, 61-C, 61-D, 61-E, 61-F, 61-G, 61-H and 61-J filters consists of a 61-A filter mounted with two mounting screws on a bracket which varies in design according to the apparatus with which it is to be used, as shown in Fig. 1.

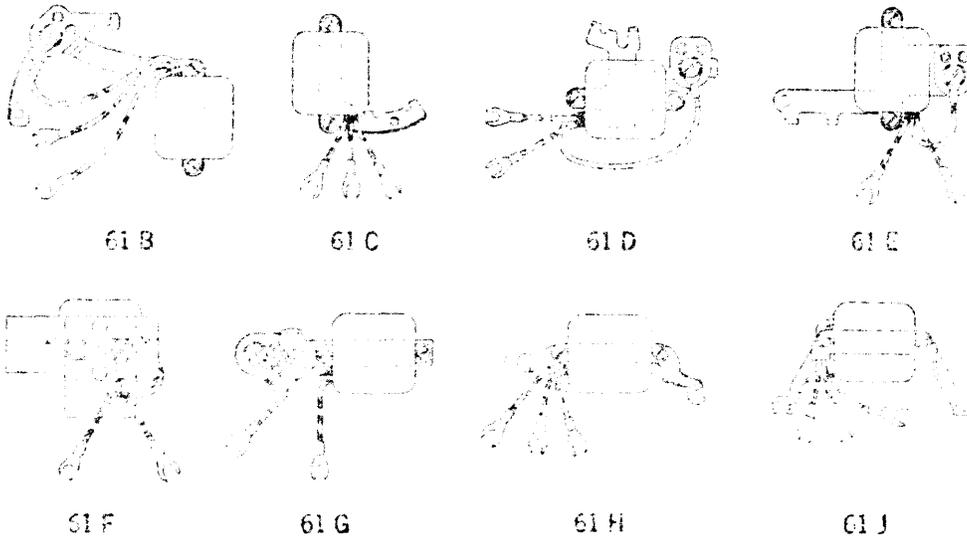


Fig. 1.

3. USE

3.01 Filters of the types referred to herein shall be used only when induction with radio receivers warrants and, accordingly, local instructions should be followed.

3.02 The particular types of apparatus with which each filter is to be used are indicated in the following table:

Present Standard Filter	Older Types of Suppression Apparatus		Use With
	Con-denser	Retardation Coil	
61-B	162-A	*154-A or 154-B	50, 51, 52, 151 and 152 type desk stands
61-C	163-A	*154-A or 154-B	B type hand set mountings
61-D	164-A	154-A	553 and 653 (excluding 653-BII) type subscriber sets and converted 295, 333 and 433 type subscriber sets
61-E	165-A	153-A	574 and 577 type subscriber sets and converted 574 and 577 type subscriber sets (where it is desired to suppress dial induction)
61-E	—	—	634-BII and 653-BII subscriber sets (where it is desired to suppress buzzer induction)
61-F	166-A	*154-A or 154-B	50 and 150 type coin collectors
61-G	185-A	*154-A or 154-B	C1 hand set mounting
61-H	186-A	*154-A or 154-B	D type hand set mountings
61-J	189-A	*154-A or 154-B	E type hand set mountings

*Where bell box is a 334, 434, 534, 554 or 634 type subscriber set, use a 154-A retardation coil. Where bell box is a 584 or 684 type subscriber set use a 154-B retardation coil.

4. PIECE PARTS

4.01 With the exception of the 61-E filters, when used in 634-BH subscriber sets, and the 61-G filters, filter brackets are arranged for insertion under existing screws or nuts and, therefore, no additional mounting screws or nuts are required. In this connection the 61-E filters (when used in 634-BH subscriber sets) require mounting screws, nuts and washers which are not regularly part of the filter and, therefore, must be ordered separately in accordance with the following table. The mounting screw for the 61-G filter is included as part of the filter.

Piece Part Name and Number	Part of
*Nut, P-150277	61-E filter (Attaching filter in 634BH subscriber sets)
*Screw, P-116854	61-E filter (Attaching filter in 634BH subscriber sets)
Screw, P-138380	61-G filter (Attaching filter to C1 hand set mounting)
Screw, P-238790	61-B, C, D, E, F, G, H and J filters (Attaching 61-A filters to filter brackets)
Terminal Screw, P-128912	61-B, D, E, F and G filters
*Washer, Shakeproof 1206	61-E filter (Attaching filter in 634BH subscriber sets)
Washer, P-221613 (Lock washer)	61-G filter (Attaching filter to C1 hand set mounting)
Washer, P-239133 (Large washer)	61-G filter (Attaching filter to C1 hand set mounting)
*Washer, P-250915 (Spacer)	61-E filter (Attaching filter in 634BH subscriber sets)

*Not regularly part of 61-E filter. See paragraph 4.01.