

BATTERY SUPPLY FILTER

1.00 INTRODUCTION

This section describes the battery supply filter used with local battery talking — common battery signaling antisidetone stations.

2.00 BATTERY FEED FILTER

2.01 When one or more local battery talking — common battery signaling antisidetone stations receives its transmitter battery from a common source such as a local storage battery, rectifier, or 101G power plant, a filter is needed in each transmitter circuit.

2.02 This filter is made up of a 27A KTU and a 2A, 12A, or 12B KTU wired as shown in Fig. 1.

2.03 The 2A KTU is recommended for a battery feed coil where the voltage range of the battery supply is 14 to 26 volts. The 12A or 12B KTU is used where the battery supply is from dry cells of approximately 4.5 volts.

3.00 BATTERY FEED FILTER — CONNECTIONS

3.01 From the circuit drawing of the subscriber set or wall set associated with the battery feed filter, determine which battery terminal is wired to the induction coil. For **tip parties** connect this battery terminal to terminal 5 and the other battery terminal to terminal 4 of the 27A KTU. For **individual or ring parties**, reverse these connections at terminals 4 and 5 of the 27A KTU.

3.02 When a 307- or 309-type telephone is used, for **tip parties** connect the blue mounting cord conductor to terminal 5 and the black cord conductor to terminal 4 of the 27A KTU. For **individual or ring parties**, connect the blue cord conductor to terminal 4 and the black cord conductor to terminal 5 of the 27A KTU.

4.00 634BD SUBSCRIBER SET (BATTERY FEED FILTER)

4.01 The 634BD subscriber set is manufacture discontinued and is included here for maintenance purposes only.

4.02 Connect battery to the 634BD subscriber set as shown in Fig. 2. If a resistor is required to limit the transmitter current to 100 to 125 mills, connect as shown by dotted lines. If a resistor is not used, connect the positive

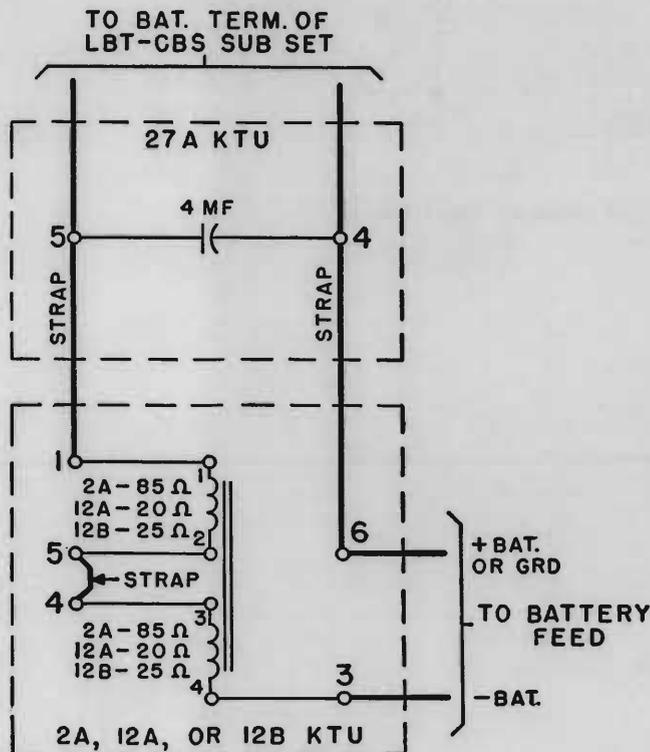


Fig. 1 — Battery Feed Filter

(grounded) battery feed conductor directly to the BAT.-PC terminal.

For **individual or ring parties**, reverse these connections at the RR and BAT.-PC terminals of the 634BD subscriber set.

5.00 CONNECTIONS — 634BD SUBSCRIBER SET

5.01 From the circuit drawing of the wall set or subscriber set to be used, determine which battery terminal is wired to the induction coil. For **tip parties** connect this battery terminal to the RR terminal and the other battery terminal to the BAT.-PC terminal of the 634BD subscriber set.

5.02 Where a 307- or 309-type telephone set is used, for **tip parties** connect the blue mounting cord conductor to the RR terminal and the black cord conductor to the BAT.-PC terminal of the 634BD subscriber set. For **individual or ring parties**, connect the blue cord conductor to the BAT.-PC terminal and the black cord conductor to the RR terminal.

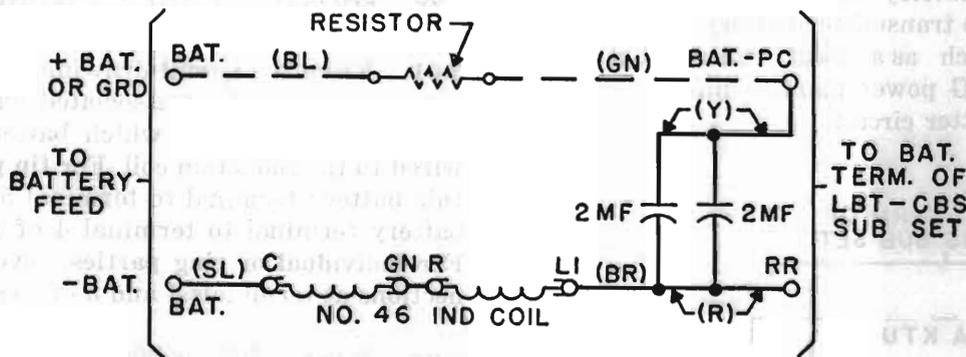


Fig. 2 — 634BD Subscriber Set (Battery Feed Filter)

