

KELLOGG 1000 SERIES UNIVERSAL CIRCUIT TELEPHONES

FIG. 1
COMMON BATTERY (CB)

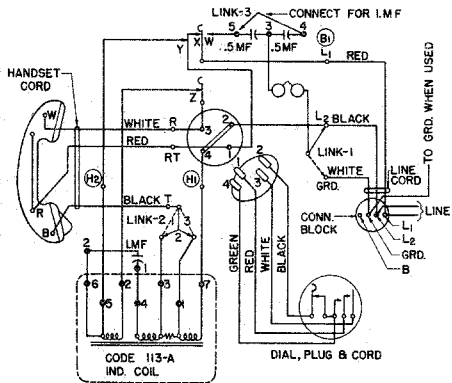


FIG. 2
LOCAL BATTERY (LB OR MAGNETO)

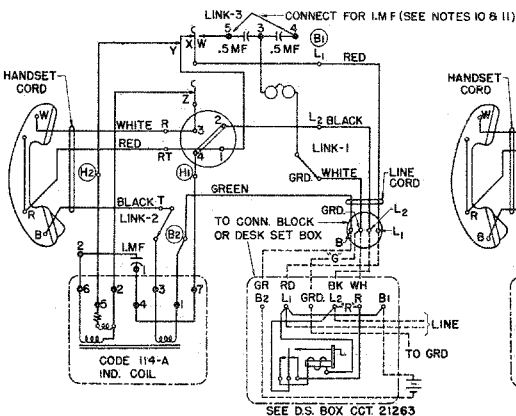
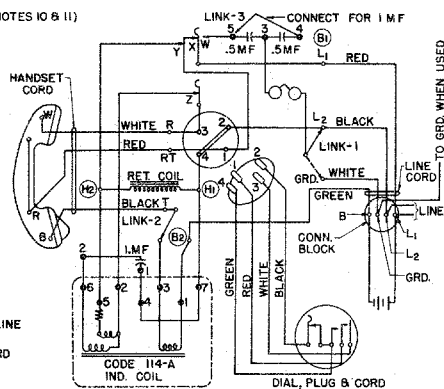
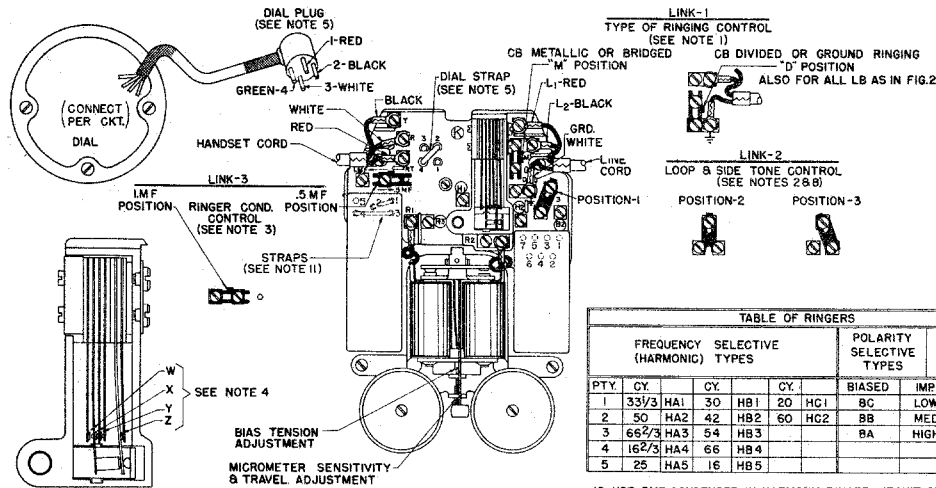


FIG. 3
CB SIGNALLING - LB TALKING



SEE D.S. BOX CCT. 21263



NOTES:

- TO CHANGE FROM "METALLIC" TO "DIVIDED RINGERS" WHEN A GROUND LEAD IS CONNECTED TO $\frac{1}{2}$, MOVE LINK-1 FROM L₁(M) TO $\frac{1}{2}$ (D). FOR L₁B-(FIG.2) USE "D" POSITION ONLY.
2. POSITION-1* FOR ALL L.B. CIRCUITS AND SHORT LOOPS ON CB; POSITION 2-or-3 FOR LONGER C.B. LOOPS, WHICHEVER POSITION GIVES DESIRED SIDE-TONE REDUCTION.
3. LINK-3 PROVIDES RINGER WITH .5MF OR 1MF CONDENSER. SELECT CAPACITY SPECIFIED FOR RINGER. (SEE NOTE 10)
4. CRADLE SWITCH IS SHOWN IN TALKING POSITION IN ALL CIRCUITS. REPLACING HANSET BREAKS CONTACTS "Z" BEFORE "Y" AND "Y" BEFORE "X". CONTACTS "W" MAKE AFTER BREAK AT "X".
5. WHEN DIAL IS NOT USED, DIAL SOCKET TERMINALS 2 & 4 MUST BE CONNECTED TOGETHER TO COMPLETE CIRCUIT (USE DIAL STRAP). REMOVAL OF DIAL STRAP OR DIAL PLUG PERMITS SERVICE WITHOUT REMOVING TELEPHONE FROM LINE.
6. TO PREVENT BIASED RINGER BELL TAPPING WHEN DIALING, REVERSE RINGER LEADS AT RING STATIONS. ON METALLIC LINES WHERE BELL TAPPING OCCURS AT AN EXTENSION WHILE DIALING, REVERSE RINGER LEADS L₁ & L₂ AT THE EXTENSION.
7. WHEN MAXIMUM TRANSMISSION IS NOT ESSENTIAL CRYSTAL MIMTERS MAY BE USED IN L.B. TALKING CIRCUIT.
8. FOR CB. SIGNALLING L.B. TALKING L.B. TELEPHONES REQUIRING A RETARD COIL CONNECT TO H & H-2. SEE SCHEMATIC DRAWING FOR CIRCUIT.
9. FOR "L" TYPE TELEPHONES USE ABOVE APPLICABLE CIRCUITS EXCEPT RINGER IS OMITTED.

TABLE OF RINGERS										
FREQUENCY (HARMONIC)				SELECTIVE TYPES			POLARITY SELECTIVE TYPES		NON- SELECTIVE TYPES	
PTY	GY	HA	CY	CY			BIASED	IMP	ST.LINE	
1	33/3	H1	30	H81	20	HC1	BC	LOW	SC	
2	50	HA2	42	H82	60	HC2	BA	MED.	SB	
3	66 2/3	HA3	54	H83			BB	HIGH	SA	
4	162/3	HA4	66	H84						
5	25	HA5	16	H85						

10. USE .5MF CONDENSER IN HARMONIC RINGER CIRCUIT ON 25 CYCLES OR HIGHER. USE 1MF FOR ALL OTHER RINGERS EXCEPT BA & SA WHICH USE .5MF OR 1MF AS REQUIRED.

II. WHEN CONDENSER IS OMITTED IN FIG.2, ADD STRAP BETWEEN CONDENSER JACKS 3&4 AND 1&2. MOVE SLIDE PLATE OF LINK 3 TO IMF POSITION