



TOOLS, AN ORDINARY SCREWDRIVER IS THE ONLY TOOL THAT IS REQUIRED FOR ALL ADJUSTMENTS AND WIRE CONNECTIONS.

THIS SET IS SHIPPED CONNECTED FOR SERVICE ON METALLIC CIRCUITS, WITH THE CONDENSER TO BE IN SERIES WITH BOTH THE RECEIVER AND THE RINGER AS SHOWN ON THE DIAGRAM OF CONNECTIONS AND MAY BE USED CONNECTED THUS IN CONNECTION WITH COMMON BATTERY LINES WHEN REQUIRED.

WHEN USED ON METALLIC LINE CIRCUITS, CONNECT ONE LINE WIRE TO TERMINAL "LINE 1" AND THE OTHER LINE WIRE TO "LINE 2".

WHEN USED ON SELECTIVE CENTRAL OFFICE SIGNALLING CIRCUITS, CONNECT GROUND WIRE TO TERMINAL "GND".

WHEN USED FOR DIVIDED RINGING, THAT IS RINGING FROM EITHER SIDE OF A METALLIC LINE TO GROUND, CONNECT THE RED RINGER LEAD IN ONE GROUP OF SETS TO TERMINAL "LINE 1" AND THE OTHER GROUP TO TERMINAL "LINE 2". IN ALL SETS CONNECT THE BLACK RINGER LEAD AND THE GROUND WIRE TO TERMINAL "GND", THE TIP SIDE OF THE CENTRAL OFFICE LINE TO TERMINAL "LINE 1" AND THE RING SIDE TO TERMINAL "LINE 2". THE PUSH BUTTON SHOULD NOT BE OPERATED IN THIS SYSTEM. THE CONDENSER IS IN SERIES WITH THE RECEIVER ONLY IN THIS SYSTEM.

WHEN THE CONDENSER IS NOT REQUIRED CONNECT THE GREEN CONDUCTOR OF THE DESK STAND CORD TO THE LOWER TERMINAL "COND", AND THE RINGER LEADS TO THE TERMINAL "LINE 1", "LINE 2" OR "GND", TO SUIT THE CONDITION DESIRED.

TO CONNECT THE CONDENSER IN SERIES WITH THE RECEIVER ONLY CONNECT THE GREEN CONDUCTOR OF THE DESK STAND CORD AND ONE CONDENSER LEAD TO THE UPPER TERMINAL "COND". CONNECT THE OTHER CONDENSER LEAD TO THE LOWER TERMINAL "COND". CONNECT THE RINGER LEADS TO THE TERMINAL "LINE 1", "LINE 2" OR "GND", TO SUIT THE CONDITION DESIRED.

TO CONNECT THE CONDENSER IN SERIES WITH THE RINGER ONLY CONNECT THE GREEN CONDUCTOR OF THE DESK STAND CORD AND ONE CONDENSER LEAD TO THE LOWER TERMINAL "COND". CONNECT THE RED RINGER LEAD AND THE OTHER CONDENSER LEAD TO THE UPPER TERMINAL "COND", AND THE BLACK RINGER LEAD TO THE TERMINAL "LINE 1".

RINGER ADJUSTMENT THE ARMATURE SHALL BE SO ADJUSTED THAT THE CLAPPER BALL HAS MOVEMENT OF ABOUT $\frac{1}{16}$ INCH. TO OBTAIN THIS TURN SCREW "A" TO THE RIGHT TO SHORTEN THE STROKE OR TO THE LEFT TO LENGTHEN THE STROKE. THE GONGS SHOULD BE SET THAT THE CLAPPER BALL STRIKES BUT DOES NOT REST AGAINST THEM WHEN THROWN TO EITHER SIDE. TO CHANGE THE POSITION OF THE GONGS, LOOSEN THE CLAMPING SCREWS "B". TURN THE ECCENTRIC ADJUSTING SCREWS "C" UNTIL THE CORRECT POSITIONS OBTAINED AND THEN TIGHTEN THE CLAMPING SCREWS "B".

IN CONNECTING BATTERIES CONNECT WIRE "E" (NOT SUPPLIED WITH SET) TO POST "F" AND CONNECT POST "G" TO "H" AND "M" TO "N" AND CONNECT WIRE "P" (NOT SUPPLIED WITH SET) TO POST "R". SEE THAT THE BINDING POSTS "G", "M" AND "R" DO NOT TOUCH EACH OTHER WHEN THE BATTERIES ARE IN PLACE.

REPAIR PARTS SHOULD BE ORDERED BY SAMPLE, IF POSSIBLE, OTHERWISE BY ACCURATE DESCRIPTION. ALWAYS MENTION, IF POSSIBLE, THE CODE NUMBER OF THIS SET (IT IS STAMPED ON THE INSIDE OF THE DOOR NEAR THE BOTTOM EDGE).

