

INTL WALKER

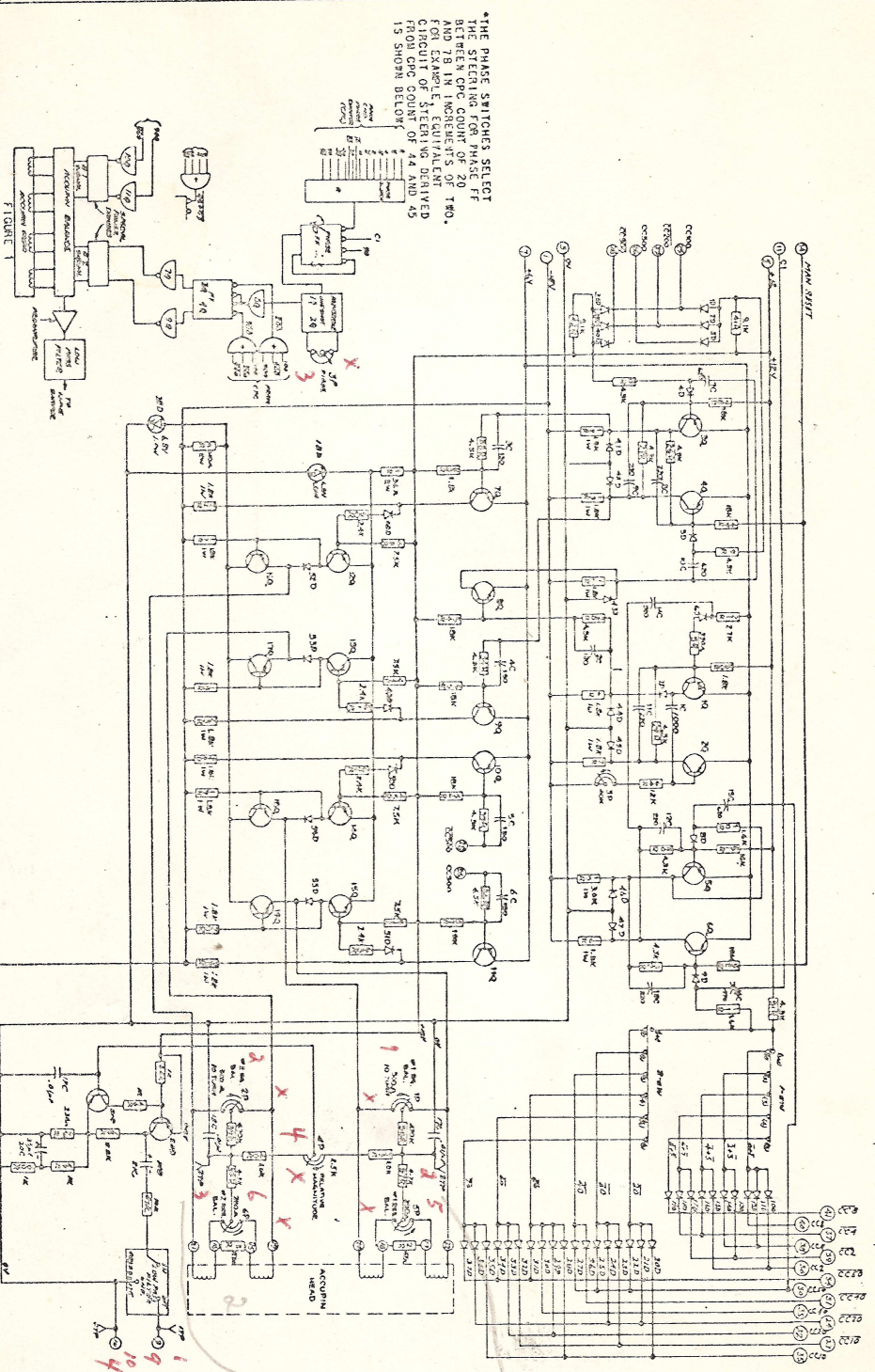
440222031  
REV. 10-60

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APPLIED PARTS	✓	+	+	+	+
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GENERAL ELECTRIC  
 TITLE: ACCUPIN SUPPLY (IASI)  
 FIRST MADE FOR: ILEM DIAG  
 440222031-001

\*THE PHASE SWITCHES SELECT THE STEERING FOR PHASE FF BETWEEN CPC COUNT OF 20 AND 78 IN INCREMENTS OF 180. THE PHASE SWITCHES SELECT THE STEERING FOR PHASE FF BETWEEN CPC COUNT OF 20 AND 78 IN INCREMENTS OF 180. THE PHASE SWITCHES SELECT THE STEERING FOR PHASE FF BETWEEN CPC COUNT OF 20 AND 78 IN INCREMENTS OF 180.



OPERATION  
 THE ACCUPIN SUPPLY PROVIDES 2-PHASE SQUARE WAVE EXCITATION TO THE ACCUPIN HEAD. (SEE FIGURE 1). IT ALSO CONTAINS THE NECESSARY BALANCE ADJUSTMENTS AND A FILTER FOR THE RESULTING OUTPUT. PROPERLY ADJUSTED THE OUTPUT OF THE ACCUPIN SUPPLY WILL OCCUR IN P P SECTION EQUIP. TO THE PIN SPACING. PROPORTIONAL TO POSITION OF THE ACCUPIN HEAD. THE ACCUPIN HEAD IS A CUSH SYSTEM AND 2 MILLIMETERS FOR THE WINDING SYSTEM. THE ACCUPIN OUTPUT IS APPLIED AND AGAIN SQUARED BY THE WAVE SWAGER.  
 THE ACCUPIN HEAD WINDINGS ARE ON CORES COMPOSED OF ALTERNATE STACKS OF MAGNETIC LAMINATIONS AND NON-MAGNETIC SPACERS. THE INDUCTANCE OF THE WINDINGS DEPENDS ON THE POSITION OF THE MAGNETIC PINS RELATIVE TO THE MAGNETIC LAMINATION STACKS. THE WINDINGS ARE COMBINED IN PAIRS AND SPACED SO THAT THE INDUCTANCE OF ONE WINDING IS A MAXIMUM WHEN THE OTHER IS A MINIMUM. THIS PAIR OF WINDINGS IN A PAIR OF STACKS IN A BRIDGE PRINCIPLE IS EXCITED BY ONE OF THE SECOND EXCITATION PHASE. THE OUTPUT OF THESE TWO BRIDGES ARE SQUARED TOGETHER AND FILTERED TO PROVIDE THE POSITION FEEDBACK.

D C B A

REVISIONS	DATE	BY	REASON
1	10/15/60	W. F. EDDY	INITIAL
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 OCT 12 1960  
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