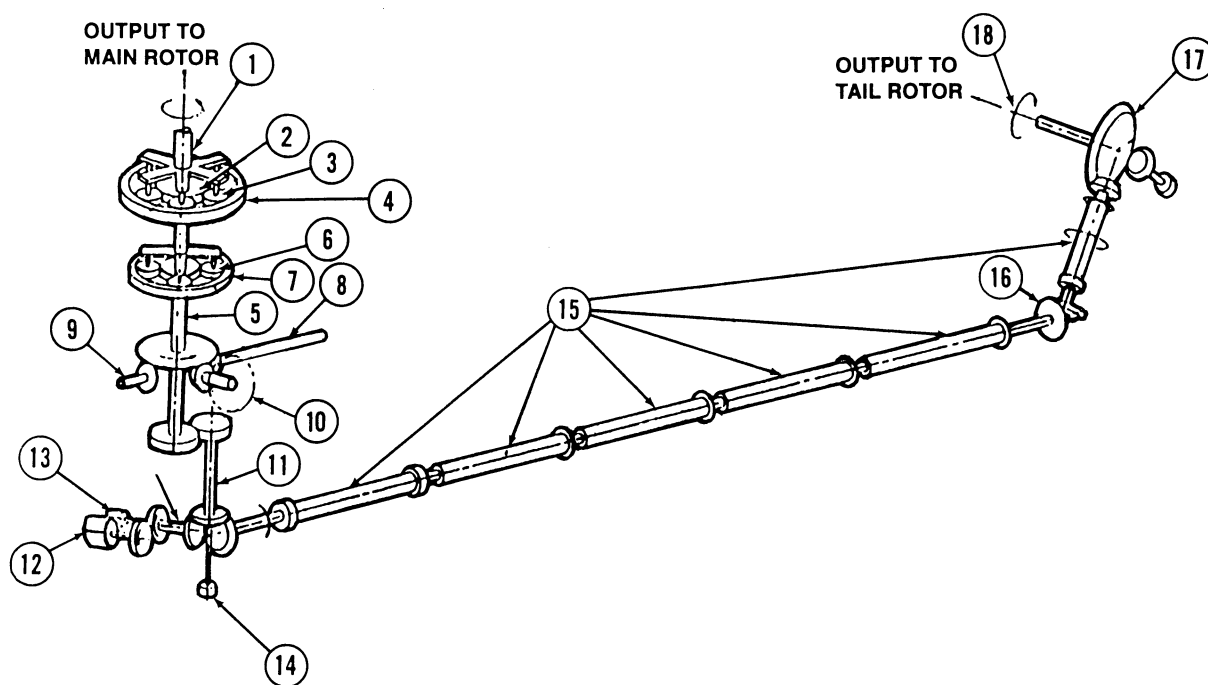


SOURCE	SOURCE I.D.*	HARMONIC	FREQ. (HZ)	FREQ. (CPM)
MAIN ROTOR	1	1/REV	5.4	324
MAIN ROTOR	1	2/REV	10.8	648
MRGB UPPER SUN GEAR	2		16.7	1000
MAIN ROTOR	1	4/REV	21.6	1296
TAIL ROTOR	18	1/REV	27.7	1662
MRGB UPPER PLANETARY DEFECT	3		41.5	2488
MRGB UPPER RING GEAR DEFECT	4		43.2	2592
LOWER SUN GEAR/BEVEL GEAR (MRGB)	5		51.5	3087
TAIL ROTOR	18	2/REV	55.3	3324
DEFECT ON LOWER RING GEAR	7		66.7	4000
HYDRAULIC PUMP	12	1/REV	71.7	4302
TACH GENERATOR	13	1/REV	71.7	4302
TAIL ROTOR DRIVESHAFT	15	1/REV	71.7	4302
TAIL TAKEOFF QUILL	11	1/REV	75	4498
OIL PUMP (MRGB)	14	1/REV	75	4498
DEFECT ON UPPER SUN GEAR	2		90.2	5411.4
MAIN DRIVESHAFT	8	1/REV	110	6600
NO. 2 HYDRAULIC PUMP	9	1/REV	110	6600
TAIL ROTOR	21	4/REV	110.6	6640
DEFECT ON LOWER PLANETARY GEAR	6		128	7677
ROTOR BRAKE DISK	10	1/REV	138.7	8322
DEFECT ON LOWER SUN GEAR	5		139.2	8351
TAIL ROTOR DRIVESHAFT	18	2/REV	143.4	8604
OIL COOLER FAN		1/REV	143.8	8630
POWER TURBINE/CBOX INPUT		1/REV	550	33000
GAS GENERATOR-LOW		1/REV	508	30480
GAS GENERATOR-HIGH		1/REV	635	38100
UPPER PLANETARY	2,3,4	GEARMESH	642	38543
90 DEGREE GEARBOX	17	GEARMESH	1578	94660
TAIL TAKEOFF	11,15	GEARMESH	1649	98964
HYD. DRIVE QUILL	12	GEARMESH	1864	111852
LOWER PLANETARY	5,6,7	GEARMESH	1983	119000
TAIL TAKEOFF QUILL	11	GEARMESH	2624	157442
42 DEGREE GEARBOX	16	GEARMESH	2725	163505
INPUT BEVEL GEAR	5,8	GEARMESH	3190	191400

\*SEE SHEET 2

212-M-18-20-1

Figure 18-20. Excitation frequencies (Sheet 1 of 2)



212-M-18-20-2

Figure 18-20. Excitation frequencies (Sheet 2)