MODELS 309,319
Schematic,Socket
Trimmers,Alignments

ULTRAMAR MFG. CORP.

MODELS 309 319

MODEL 309

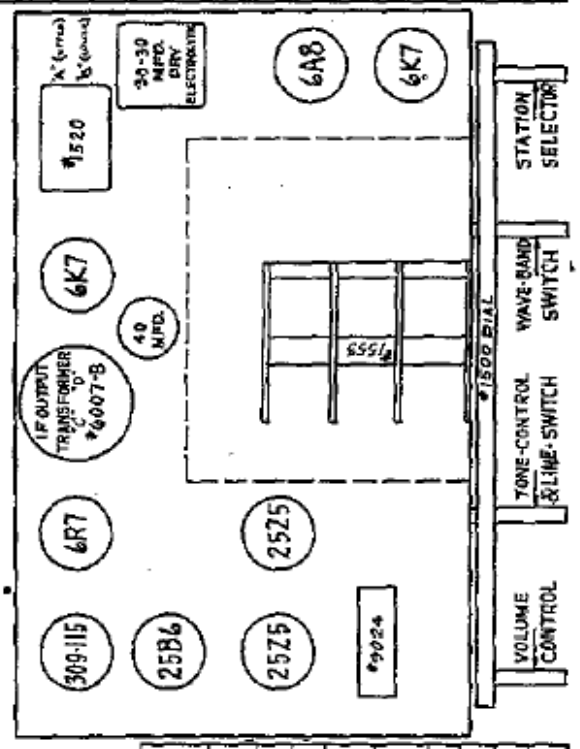
BAND	FREQUENCY COVERAGE
A -	SHORT WAVE - 18.6-52 METERS.
B -	MEDIUM WAVE - 1750-6000 K. C.
C -	BROADCAST - 527-1750 K. C.

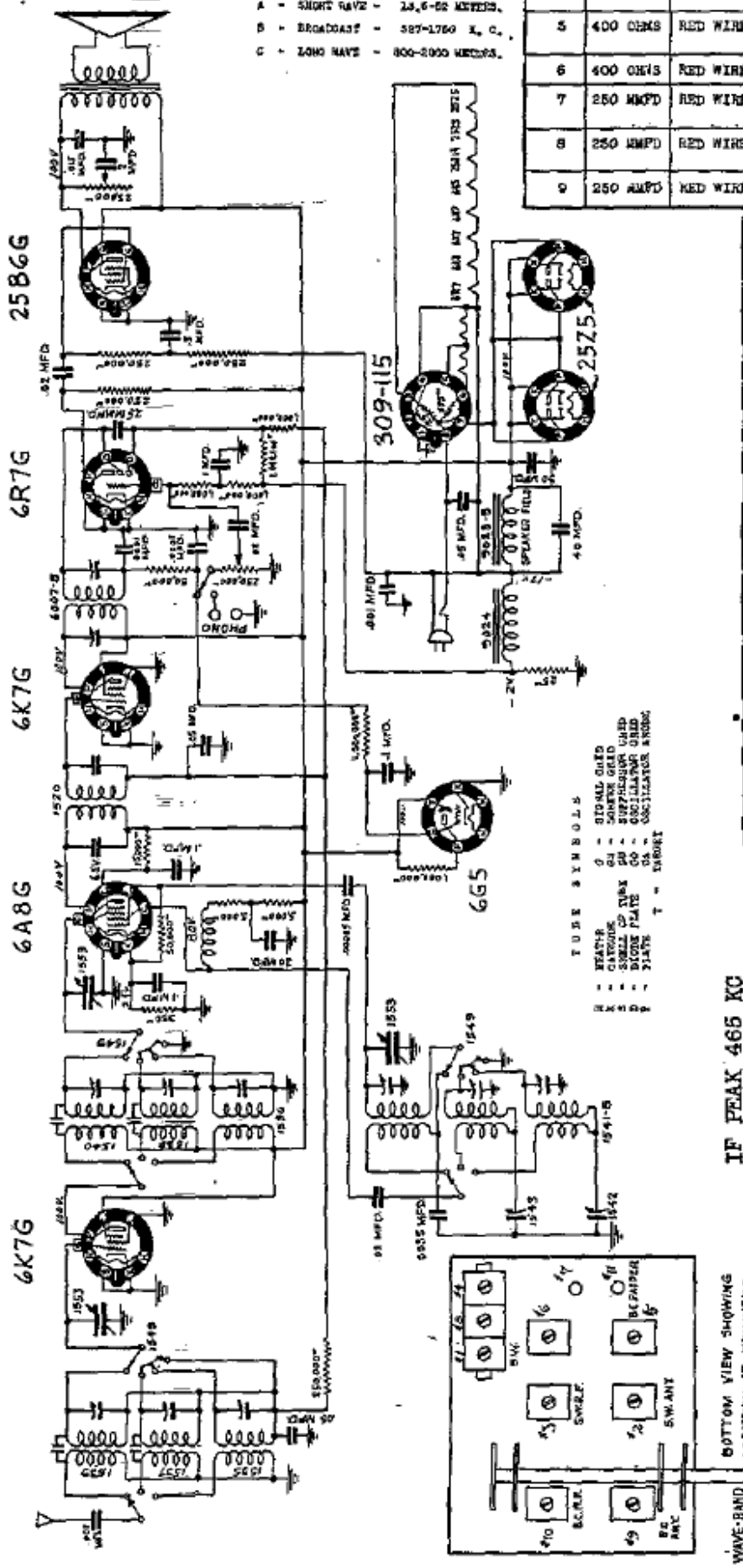
MODEL 319

BAND	FREQUENCY COVERAGE
A -	SHORT WAVE - 18.6-52 METERS.
B -	BROADCAST - 527-1750 K. C.
C -	LONG WAVE - 800-2000 METERS.

ALIGNMENT PROCEDURE MODEL 309

OPERATION NO.	DUMMY ANT.	CONNECT SIG.GEN. TO	SET SIG. GEN.DIAL AT	SET RADIO DIAL AT	WAVE BAND	ADJUST TRIMMERS	REMARKS
1	1/2 MFD	6A8G GRID	465 KC 645 M	1000 KC 300 M	C	A-B-C-D	IF ALIGNMENT
2	400 OHMS	RED WIRE	18 M	18 M	A	1	DIAL CALIBRATION
3	400 OHMS	RED WIRE	18 M	18 M	A	2-3	ROCK VAR. COND.
4	400 OHMS	RED WIRE	5000 KC 60 M	5000 KC 60 M	B	4-5-6	
5	400 OHMS	RED WIRE	2000 KC 150 M	2000 KC 150 M	B	7	ROCK VAR. COND.
6	400 OHMS	RED WIRE	REPEAT OPERATION FOUR				
7	250 MMFD	RED WIRE	1500 KC 200 M	1500 KC 200 M	C	8-9-10	
8	250 MMFD	RED WIRE	600 KC 500 M	600 KC 500 M	C	11	ROCK VAR. COND.
9	250 MMFD	RED WIRE	REPEAT OPERATION SEVEN				





ALIGNMENT PROCEDURE MODEL 319

OPERATION NO.	DUMMY ANT.	CONNECT SIG. GEN. TO	SET SIG. GEN.DIAL AT	SET RADIO DIAL AT	WAVE BAND	ADJUST TRIMMERS	REMARKS
1	1/2 MFD	6A8G GRID	465 KC 645 M	1000 KC 300 M	B	A-B-C-D	IF ALIGNMENT
2	400 OHMS	RED WIRE	18 M	18 M	A	1	DIAL CALIBRATION
3	400 OHMS	RED WIRE	18 M	18 M	A	2-3	ROCK VAR. COND.
4	250 MMFD	RED WIRE	1600KC 200 M	1600 KC 200 M	B	4-9-10	
5	250 MMFD	RED WIRE	600 KC 500 M	600 KC 500 M	B	11	ROCK VARIABLE CONDENSER
6	250 MMFD	RED WIRE	REPEAT OPERATION FOUR				
7	250 MMFD	RED WIRE	900 M	900 M	C	8-5-6	
8	250 MMFD	RED WIRE	1800M	1800 M	C	7	ROCK VAR. COND.
9	250 MMFD	RED WIRE	REPEAT OPERATION SEVEN				