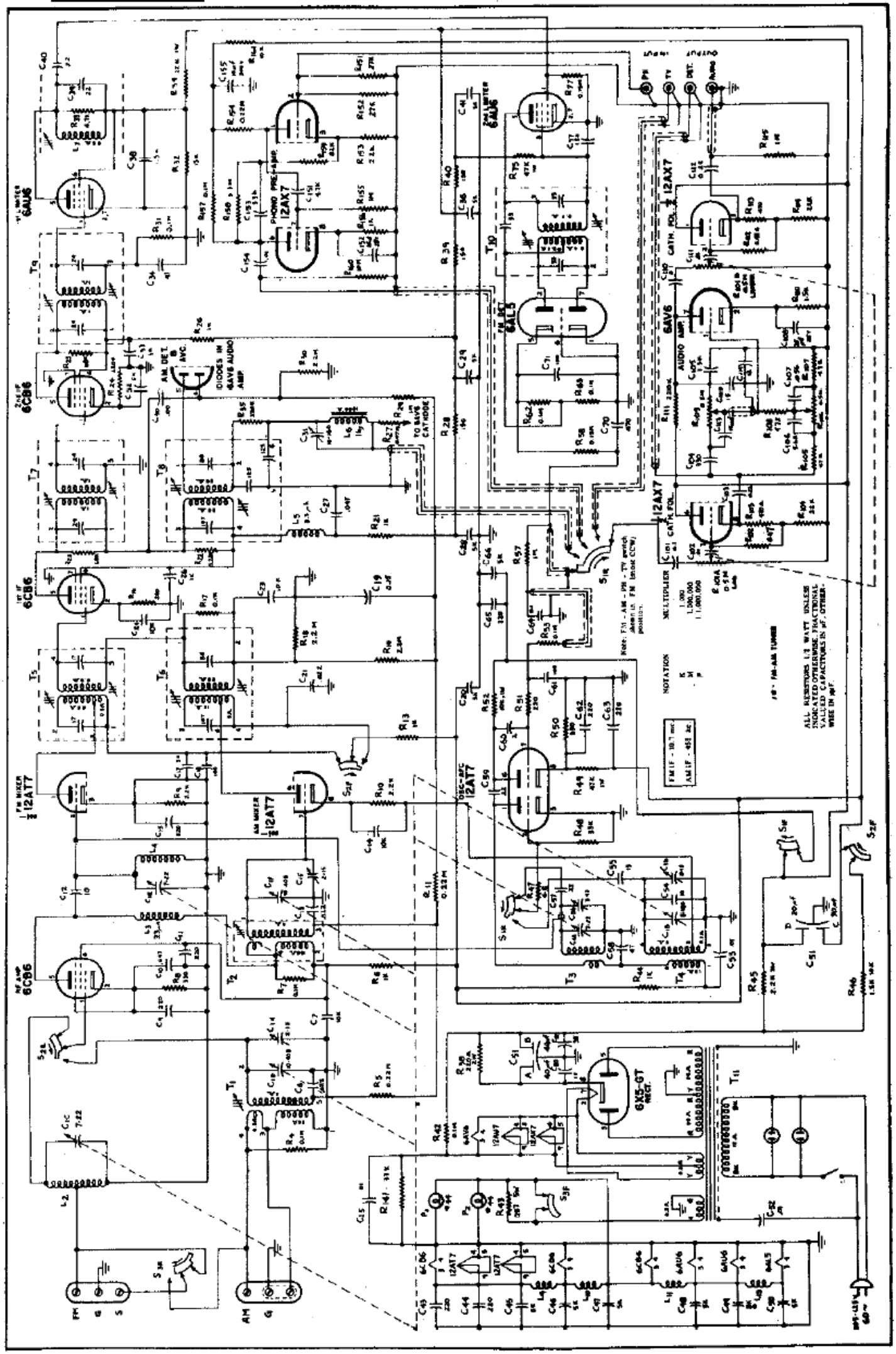
MODEL 10, AM-FM Tune



MODEL 10, AM-FM Tuner PARTS LIST

Part No.	Ref. No.	Description	
CAPACITOR, Ganged Tuning			
17S007	C1A	7-22 μμf,	FM Osc. Tuning
	C1B	8-108 μμf,	AM Osc. Tuning
	C1C	7-22 μμf,	FM RF Tuning
	C1D	10-408 μμf,	AM RF Tuning
	C1E	7-22 μμf,	FM Conv. Tuning
	C1F	10-408 μμf,	AM Conv. Tuning
	C1b	2-15 μμf,	AM Osc. Mica Trimmer
	C1d	2-15 μμf,	AM RF Mica Trimmer
	C1f	2-15 μμf,	AM Conv. Mica Trimmer
CAPACITORS, Ceramic			
17X402	C56	1-6 μμf, 500v,	Trimmer
CC20CK2R0D	C60	2 μμf, 500v,	Tubular
CC20SL100M	C54, C12	10 μμf, 500v,	Tubular
CC20SL150M	C55, C109, C113	15 μμf, 500v,	Tubular
CC20SL220M	C40	22 μμf, 500v,	Tubular
CC20CK220M	C39, C57, C59	22 μμf, 500v,	NPO
CC20UK470M	C34, C58	47 μμf, 500v,	Tubular
CC20SL101M	C18, C30, C61, C71	100 μμf, 500v,	Tubular
CC20SL221M	C8, C9, C11, C15, C43, C44, C62, C63, C65	220 μμf, 500v,	Tubular
CC25SL471K	C70	470 μμf, 500v,	Tubular
CC20ZZ102X	C26, C33, C80, C114	1000 μμf, 500v,	Tubular
18X701	C17, C20, C81, C66, C28, C29, C32, C36, C41, C45, C46, C47, C48, C49, C50	5000 μμf, 500v,	Disc
18X704	C7, C14, C102, C111, C23, C58	10,000 μμf, 500v,	Disc
18X705	C38, C77	1500 μμf, 500v,	Disc
CAPACITORS, Mica			
17X205	C31	10-160 μμf, 300v,	Trimmer
CM20A331K	C104	330 μμf, 500v,	Molded
CAPACITORS, Paper			
CP10M4222K	C151	.0022 μf, 400v,	Tubular
CP10M4332K	C105, C153	.0033 μf, 400v,	Tubular
CP10M4562K	C106	.0056 μf, 400v,	Tubular
CP10M4103M	C25, C154	.01 μf, 400v,	Tubular
CP10M6103M	C52	.01 μf, 600v,	Tubular
CP10M4223M	C21, C6, C13	.022 μf, 400v,	Tubular
CP10M4473M	C10, C27	.047 μf, 400v,	Tubular
CP10M4563K	C107	.056 μf, 400v,	Tubular
CP10M4104M	C64, C101, C110	.1 μf, 400v,	Tubular
CP10M2224M	C103, C112	0.22 μf, 200v,	Tubular
CP10M4154M	C19	0.15 μf, 400v,	Tubular
CAPACITORS, Electrolytic			
CE8H2501P	C155	10 μf, 250v,	Tubular
CE8H0202P	C108, C152	25 μf, 25v,	Tubular
18S022	C51A	40 μf, 300v,	Twist Mount
	C51B	40 μf, 300v,	
	C51C	30 μf, 300v,	
	C51D	20 μf, 300v,	
PILOT LIGHTS			
15X003	P1, P2		No. 44 Pilot Light

Part No.	Ref. No.	Description	
RESISTORS			
RC20AE6R8K	R47	6.8 Ω, 1/2w,	Carbon
RC20AE151K	R28, R39, R40	150 Ω, 1/2w,	Carbon
RC20AE221K	R16, R24, R51	220 Ω, 1/2w,	Carbon
RC20AE331K	R8, R50	330 Ω, 1/2w,	Carbon
RC20AE152K	R110	1.5K Ω, 1/2w,	Carbon
RC20AE102K	R6, R13, R21, R26, R44, R156	1000 Ω, 1/2w,	Carbon
RC20AE222K	R9, R10, R153	2.2K Ω, 1/2w,	Carbon
RC20AE472K	R33, R107	4.7K Ω, 1/2w,	Carbon
RC20AE103K	R161	10K Ω, 1/2w,	Carbon
RC20AE153K	R32	15K Ω, 1/2w,	Carbon
RC20AE223K	R104, R114	22K Ω, 1/2w,	Carbon
RC20AE273K	R151, R152	27K Ω, 1/2w,	Carbon
RC20AE333K	R41, R48	33K Ω, 1/2w,	Carbon
RC20AE473K	R105, R108	47K Ω, 1/2w,	Carbon
RC20AE683K	R23, R25	68K Ω, 1/2w,	Carbon
RC20AE823K	R159	82K Ω, 1/2w,	Carbon
RC20AE104K	R4, R7, R17, R31, R42, R53, R82, R63, R157	100K Ω, 1/2w,	Carbon
RC20AE154K	R58, R77	150K Ω, 1/2w,	Carbon
RC20AE224K	R5, R11, R22, R35, R111, R154	220K Ω, 1/2w,	Carbon
RC20AE474K	R27, R102, R112	470K Ω, 1/2w,	Carbon
RC20AE105K	R29, R57, R115, R155	1M Ω, 1/2w,	Carbon
RC20AE225K	R18, R19, R30	2.2M Ω, 1/2w,	Carbon
RC20AE335K	R158	3.3M Ω, 1/2w,	Carbon
RC20AE106K	R160	10M Ω, 1/2w,	Carbon
RC30AE222K	R54	2.2K Ω, 1w,	Carbon
RC30AE103K	R52	10K Ω, 1w,	Carbon
RC30AE223K	R34	22K Ω, 1w,	Carbon
RC30AE473K	R49, R75	47K Ω, 1w,	Carbon
RC40AE222K	R45	2.2K Ω, 2w,	Carbon
RW0471K	R103, R113	470 Ω, 1/2w,	Wire Wound
RW2221K	R38	220 Ω, 2w,	Wire Wound
RW5R47K	R43	0.47 Ω, 5w,	Wire Wound
RWX152K	R46	1.5K Ω, 10w,	Wire Wound
23S715	R106, R109	0.5M Ω, 1/4w,	Carbon Potentiometer
23S727	R101	0.5M Ω, 1/4w,	Carbon Potentiometer and Switch
COILS & CHOKES			
5A209	L4		FM Conv. Coil
5A210	L2		FM RF Coil
5S402	L3, L5		3.3 μh Choke
5A017	L7		FM Limiter Coil
5X406	L9, L10, L11, L13		1.0 μh Choke
19S406	L6		1 h, 10 kc Filter
SWITCHES			
4S006A	S1, S2, S3		4 Pos., 3 section Band Switch
TRANSFORMERS			
5X005	T10		10.7 mc FM Discriminator
5X013	T5		10.7 mc FM Converter
5X014	T7, T9		10.7 mc FM IF
5X015	T6		455 kc AM Converter
5X016	T8		455 kc AM IF
5A208	T3		FM Osc.
5A218	T4		AM Osc.
5A219	T2		AM RF
5A220A	T1		AM Ant.
19S208A	T11		Power Transformer

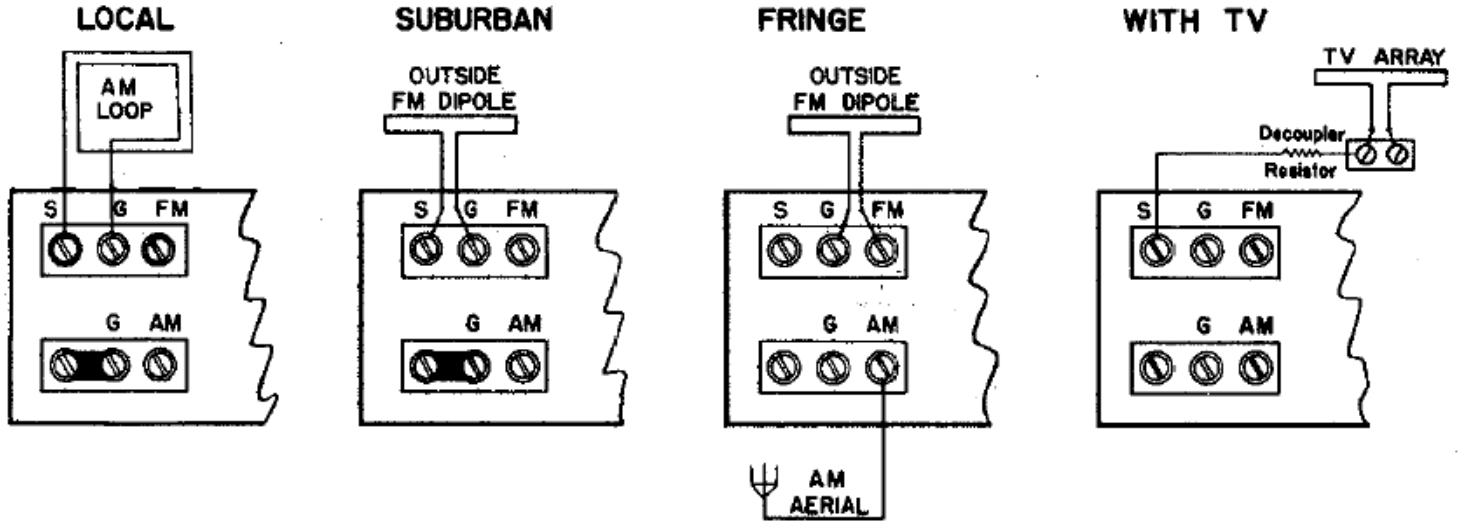


Fig. 6. Antenna Arrangements

For reception in local or urban localities, loop the flexible ribbon lead (furnished) around the cabinet interior and connect to terminals marked "S"and "G". Finally connect the shorting link between the blank terminal and "G". This ribbon lead forms a low-noise, low-impedance AM loop antenna and should be formed into the largest one or two turn loop practical in the available cabinet space. This loop also provides FM reception since terminal "S" is internally switched to the FM input.

Installations remote from stations might require outside antennas of a more elaborate nature. Connect exterior FM antennas to terminals "FM"and "G", or if to be used as an AM aerial as well, then connect to "S"and "G". Long-line AM aerials can be connected directly to the high-impedance input "AM"(link disconnected) or if brought down through a low-impedance line, to "AM" with the link in place.

Finally for installations including television, it is usually convenient to use the TV antenna to feed the FM and AM signals as well. This can be done by coupling lightly (through a 1000-ohm resister) from terminal "S" to one side of the TV antenna terminals.

TELEVISION - Complete suggested interconnections for installations including television are shown in Figure 7. In general, it is desirable not to operate a television unit while attempting either FM or AM reception because of the various types of interference that may be encountered.

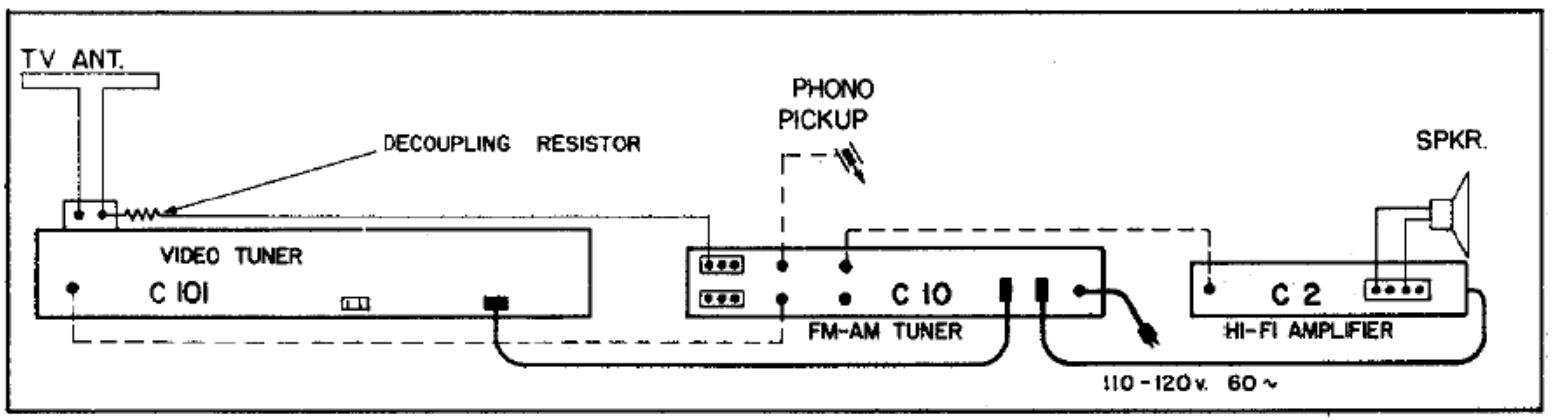


Fig. 7. Typical Installation Interconnections