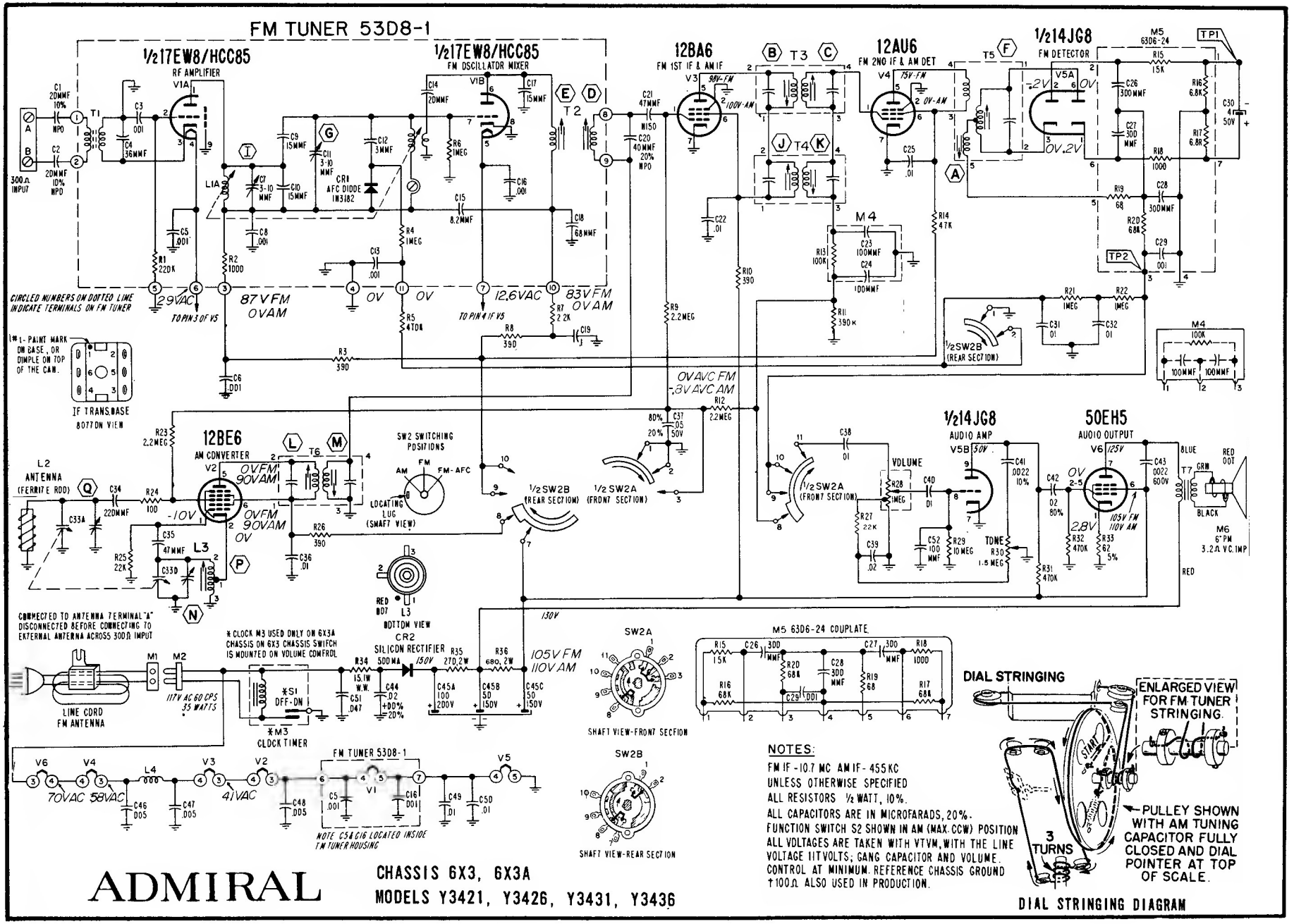
FM TUNER 53D8-1
1/2 17EW8/HCC85
RF AMPLIFIER
1/2 17EW8/HCC85
FM OSCILLATOR MIXER
12BA6
FM 1ST IF & AM IF
12AU6
FM 2ND IF & AM DET
1/2 14JG8
FM DETECTOR
M5 6306-24
TP1
TP2
300Ω INPUT
CIRCLED NUMBERS ON DOTTED LINE INDICATE TERMINALS ON FM TUNER
29VAC
TO PIN 3 OF V5
87VFM 0VAM
0V
0V
12.6VAC
TO PIN 4 IF V5
83VFM 0VAM
0VAVC FM
-.8VAVC AM
M4
IF TRANS. BASE
8077DN VIEW
12BE6
AM CONVERTER
SW2 SWITCHING PDS17IDNS
LOCATING LUG (SMAFT VIEW)
1/2 SW2B (REAR SECTION)
1/2 SW2A (FRONT SECTION)
1/2 14JG8
AUDIO AMP
50EH5
AUDIO OUTPUT
VOLUME
TONE
M6 6"PM 3.2Ω V.C. IMP
L2 ANTENNA (FERRITE ROD)
L3
BOTTOM VIEW
CONNECTED TO ANTENNA TERMINAL "A" DISCONNECTED BEFORE CONNECTING TO EXTERNAL ANTENNA ACROSS 300Ω INPUT
*CLOCK M3 USED ONLY ON 6X3A CHASSIS ON 6X3 CHASSIS SWITCH IS MOUNTED ON VOLUME CONTROL
LINE CORD FM ANTENNA
117V AC 60 CPS 35 WATTS
*S1 OFF-ON
*M3 CLOCK TIMER
CR2 SILICON RECTIFIER
105VFM 110VAM
SW2A
SHAFT VIEW-FRONT SECTION
M5 6306-24 COUPLATE
FM TUNER 53D8-1
70VAC 58VAC
41VAC
NOTE C5 & C16 LOCATED INSIDE FM TUNER HOUSING
SW2B
SHAFT VIEW-REAR SECTION
DIAL STRINGING
ENLARGED VIEW FOR FM TUNER STRINGING.
PULLEY SHOWN WITH AM TUNING CAPACITOR FULLY CLOSED AND DIAL POINTER AT TOP OF SCALE.
3 TURNS
START
DIAL STRINGING DIAGRAM
NOTES:
FM IF - 10.7 MC AM IF - 455 KC
UNLESS OTHERWISE SPECIFIED
ALL RESISTORS ½ WATT, 10%.
ALL CAPACITORS ARE IN MICROFARADS, 20%.
FUNCTION SWITCH S2 SHOWN IN AM (MAX. CCW) POSITION
ALL VOLTAGES ARE TAKEN WITH VTVM, WITH THE LINE VOLTAGE 117 VOLTS; GANG CAPACITOR AND VOLUME CONTROL AT MINIMUM. REFERENCE CHASSIS GROUND
†100Ω ALSO USED IN PRODUCTION.
ADMIRAL
CHASSIS 6X3, 6X3A
MODELS Y3421, Y3426, Y3431, Y3436