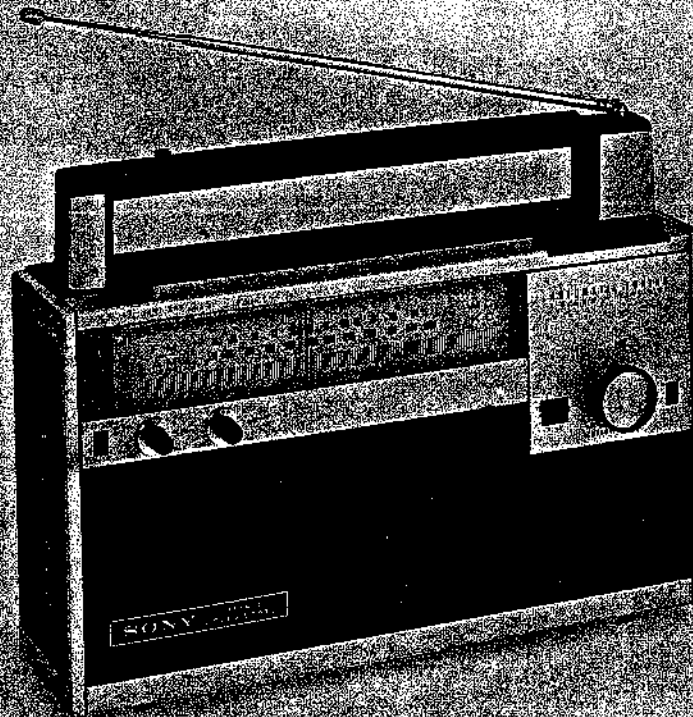


7FA-70W

1657



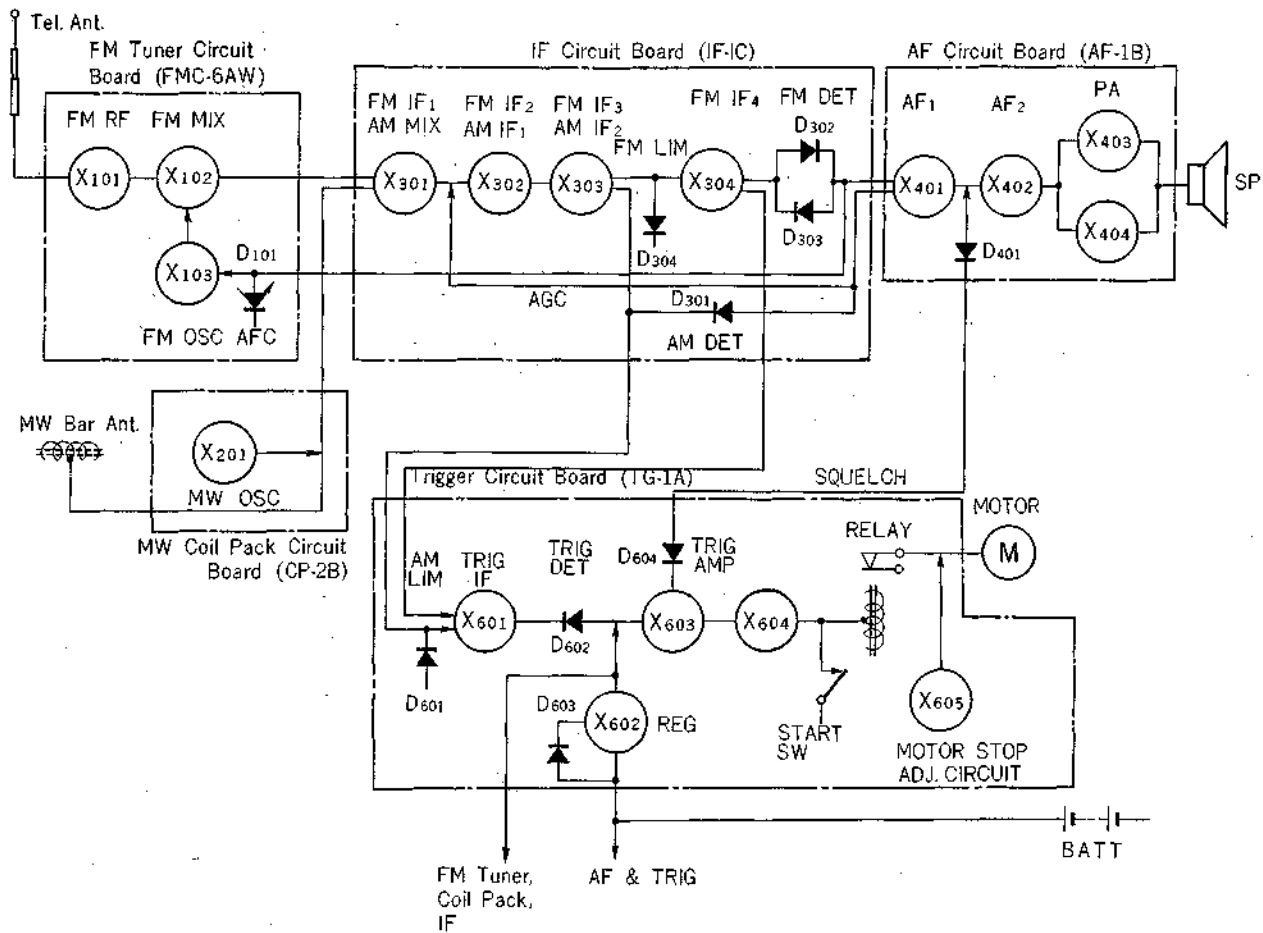
Specifications

Circuit:	17 Transistor Superheterodyne Auto-Tuning System
Frequency Coverage:	FM 86.5~108 Mc AM 530~1605 Kc
Antenna System:	MW Built-in Ferrite Bar Antenna FM Built-in Telescopic Antenna
Intermediate Frequency:	FM 10.7 Mc AM 455 Kc
FM Usable Sensitivity: (at 10 mW output)	14 dB/m
AM Maximum Sensitivity: (at 10 mW output)	27 dB/m
Selectivity:	24 dB at 10 Kc off resonance, at 1,400 Kc
Output Power:	800 mW (undistorted) 1,200 mW (maximum)
Current Drain:	28 mA at zero signal, 250 mA at 800 mW
Speaker:	4" (10 cm) PM dynamic, 8 Ω
Power Source:	Four "D" Size Flashlight Batteries, 6V in total, or House Current by using SONY AC Power Adaptor
Dimensions:	12 (W) \times 7 (H) \times 3-1/4" (D) (301.6 \times 177.5 \times 82.5 mm)
Weight:	5 lbs. 12 ozs. (2.6 Kg.) with Batteries

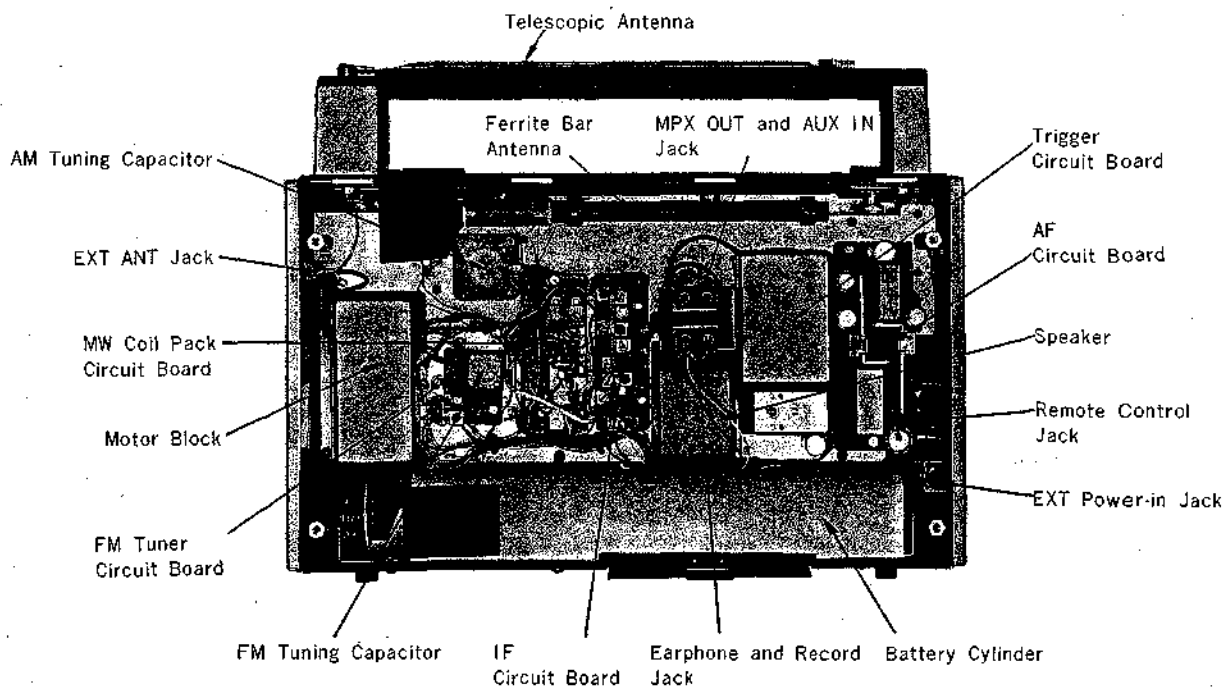
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1657

Block Diagram



Interior View



Removal of Chassis

- (1) Remove the four Back Cover Holding Screws and open the Back Cover.
- (2) Remove the Tuning, Volume Control and Tone Control Knobs by pulling them out.
- (3) Unsolder the Coaxial Cable of the FM EXT Antenna Jack marked with ▲ shown in Fig. 1.
- (4) Remove the two Screws of the EXT Power-in Jack marked with △ shown in Fig. 1.
- (5) Remove the two Screws of the Remote Control Jack marked with ○ shown in Fig. 1.
- (6) Remove the six Screws of the Battery Cylinder marked with □ shown in Fig. 1
- (7) Remove the two Bosses marked with ▲ shown in Fig. 2
- (8) Remove the four Screws marked with △ shown in Fig. 2.
- (9) Unsolder the two leads (a White and a Black) going to the Speaker marked with ☆ shown in Fig. 2
- (10) Unsolder the two leads (a Gray and a Red) Coming from the Dial Lamp marked with ○ shown in Fig. 2.
- (11) Take out the Chassis from the Cabinet gently taking care not to cut the leads.

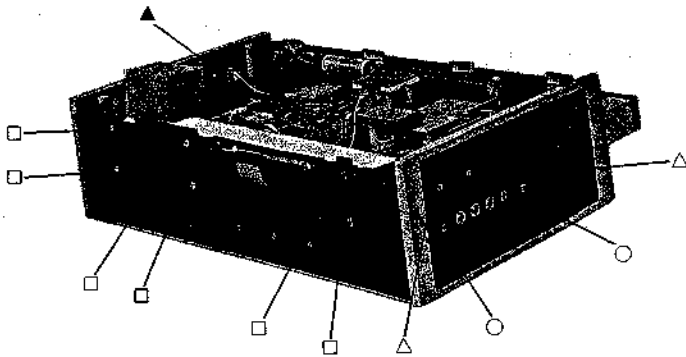


Fig. 1

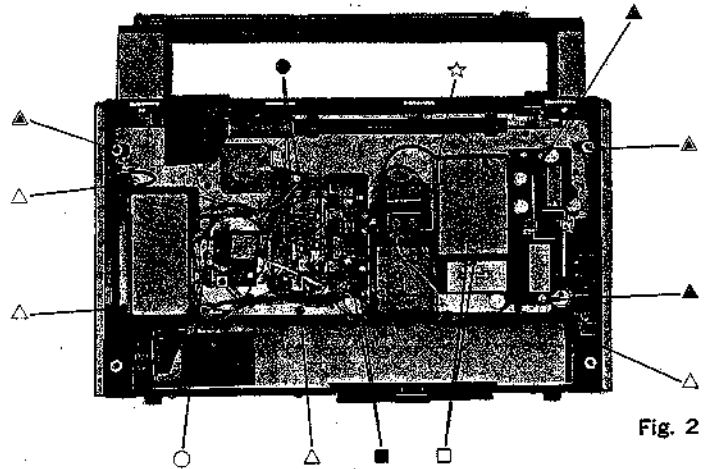







Fig. 2


Removal of Printed Circuit Boards

Description	Remove the Screws marked with
MW Coil Pack Circuit Board	● in Fig. 2
IF Circuit Board	■ in Fig. 2
Trigger Circuit Board	□ in Fig. 2
AF Circuit Board	▲ in Fig. 2

IF Alignment

Adj. Item	Connect Sweep/Maker Generator	Connect Oscilloscope	Sweep Gen. Freq.	Marker Gen. Freq.	Adjust	Remarks	Response
AM IF	Base of X_{301} through 0.01 μ F Ceramic Capacitor	MPX OUT Jack	455kc, Sweep width approximately 500 kc	455 kc	IFT $_{A_{301}, 302, 303, 304}$	Adjust for maximum with response shown.	
FM IF	—ditto—	—ditto—	10.7Mc, Sweep width approximately 500 kc	10.7 Mc	IFT $_{F_{301}, 302, 303, 304, 305, 306}$	1. Slug the core of IFT $_{F_{307}}$ completely out. 2. Adjust IFT $_{F_{301}-306}$ for maximum with response shown	
Discriminator	—ditto—	—ditto—	—ditto—	—ditto—	IFT $_{F_{307}}$	Adjust for symmetrical S curve shown.	
Trigger AM IF	—ditto—	Test Point (T.P.) on Trigger Board	455kc, Sweep width approximately 100 kc	455 kc	IFT $_{A_{601}, 602, 603}$	1. Set R_{616} to maximum resistance 2. Adjust IFT $_{A_{601}-603}$ for maximum with response shown.	
Trigger FM IF	—ditto—	—ditto—	10.7Mc, Sweep width approximately 500 kc	10.7 Mc	IFT $_{F_{601}, 602, 603}$	1. Set R_{616} to maximum resistance. 2. Adjust IFT $_{F_{601}-603}$ for maximum with response shown.	

Frequency Coverage and Tracking Adjustment

Adj. Item	SSG (Standard Signal Generator) Coupling	SSG Freq.	Receiver Dial Setting (by Manual)	Connect VTVM	Adjust	Remarks
AM Freq. Coverage	Loop Antenna	520 kc (1000 c/s, 30% AM Mod.)	Fully Left	Across 8 ohms Load Resistor	AM Osc. Coil (L_{201})	Adjust for maximum deflection
—ditto—	—ditto—	1,680 kc	Fully Right	—ditto—	AM Osc. Trimmer (CT_{202})	—ditto—
AM Tracking	—ditto—	620 kc	Tune to 620 kc signal	—ditto—	AM Bar Ant. Coil (L_{301})	—ditto—
—ditto—	—ditto—	1,400 kc	Tune to 1,400kc signal	—ditto—	AM Ant. Trimmer (CT_{201})	—ditto—
FM Freq. Coverage	 <p>$R = 75 - R_s$ ohms where R_s: Output impedance of SSG.</p>	85.5 Mc (400 c/s, ± 22.5 kc FM Mod.)	Fully Left	—ditto—	FM Osc. Coil (L_{101})	—ditto—
—ditto—	—ditto—	109.5 Mc	Fully Right	—ditto—	FM Osc. Trimmer (CT_{102})	—ditto—
FM Tracking	—ditto—	85.5 Mc	Tune to 85.5Mc signal	—ditto—	FM Ant. Coil (L_{102})	—ditto—
—ditto—	—ditto—	109.5 Mc	Tune to 109.5Mc signal	—ditto—	FM Ant. Trimmer (CT_{101})	—ditto—

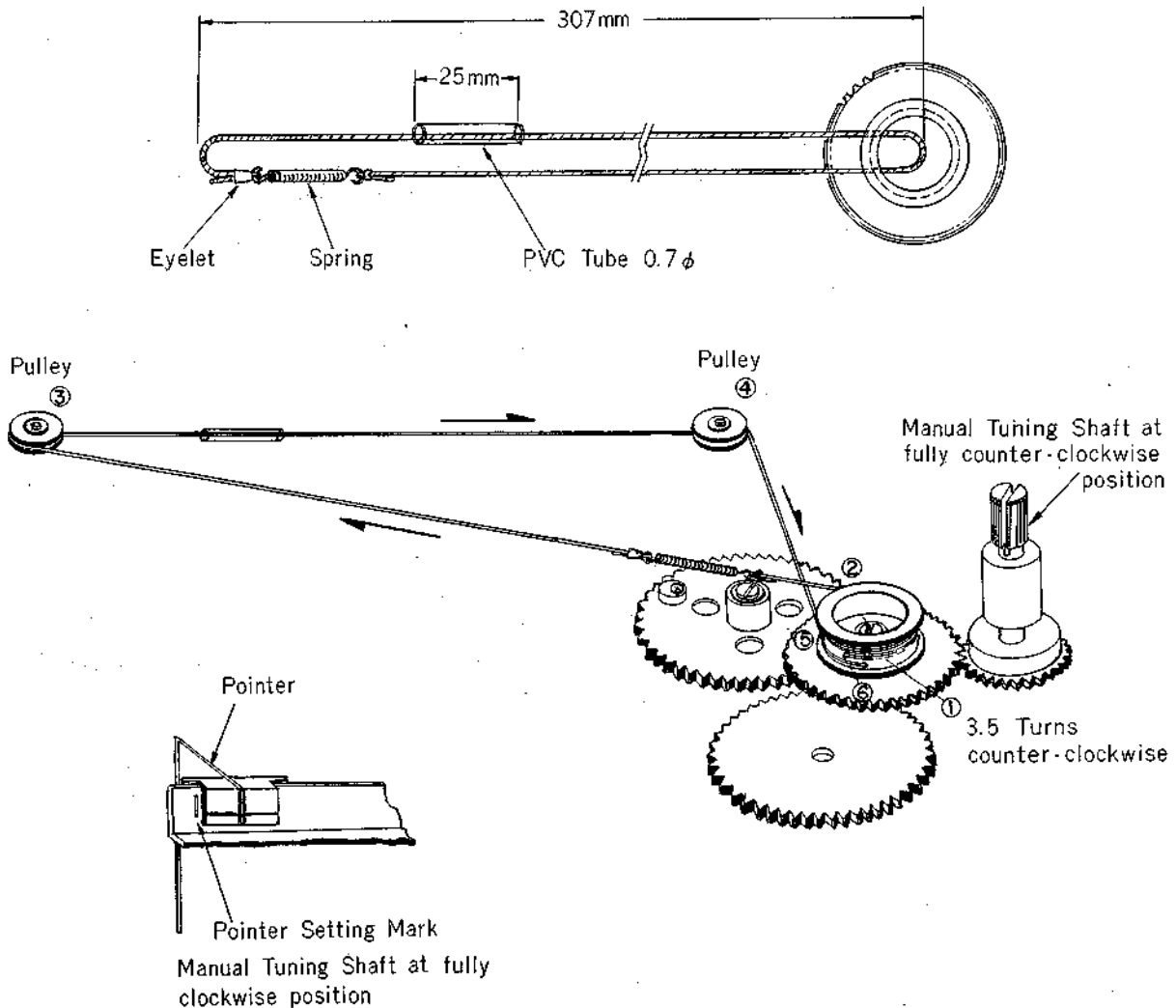
Trigger Block Alignment

Adj. Item	Connect Meter	Adjust	Meter Reading	Remarks
Regulator	Voltmeter Across R_{617}	R_{611}	3.5 V	
Relay Current	Ammeter in series to Relay Coil	R_{616}	69 ± 2 mA	<ol style="list-style-type: none"> 1. Set R_{616} to the half resistance position. 2. Push the Start Switch (one touch pushing). 3. Adjust R_{616} while the Relay on.
<p>Caution: Do not adjust R_{615}. If the Motor Stop Adjusting Circuit (X_{605}) has defects, replace the Trigger Mounted Circuit Board.</p>				

☆ Receiver Setting on above alignment or adjustment

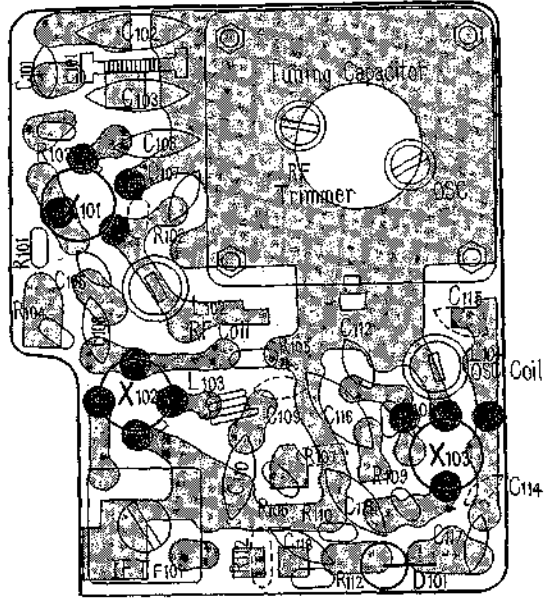
Sensitivity Selecting Switch: DX
 Tone Switch : MUSIC
 Volume Control : MAX (for Freq. Coverage and Tracking Adjustment)
 Tone Control : HIGH
 Power Supply : DC 6V

Dial Cord Stringing

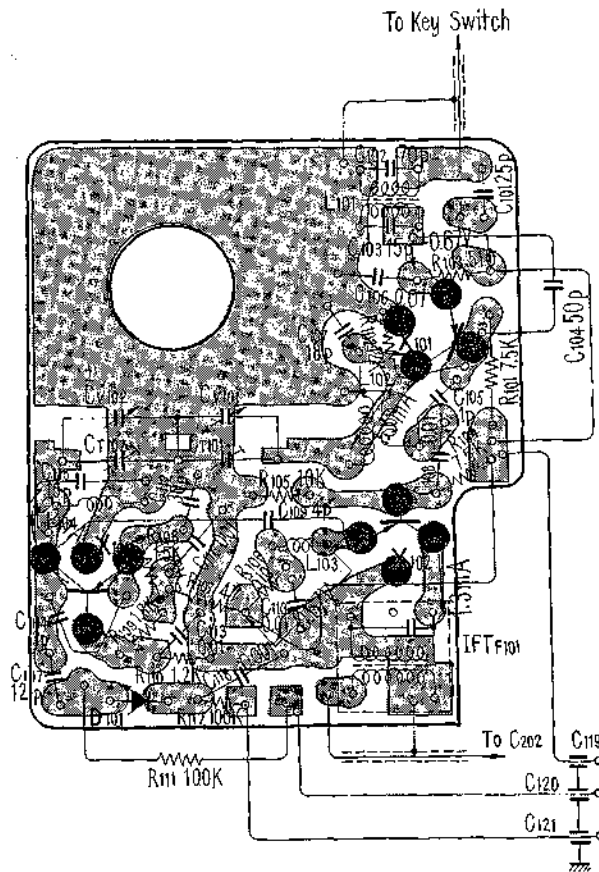


Mounting Diagram

FM Tuner Section (FMC-6AW)



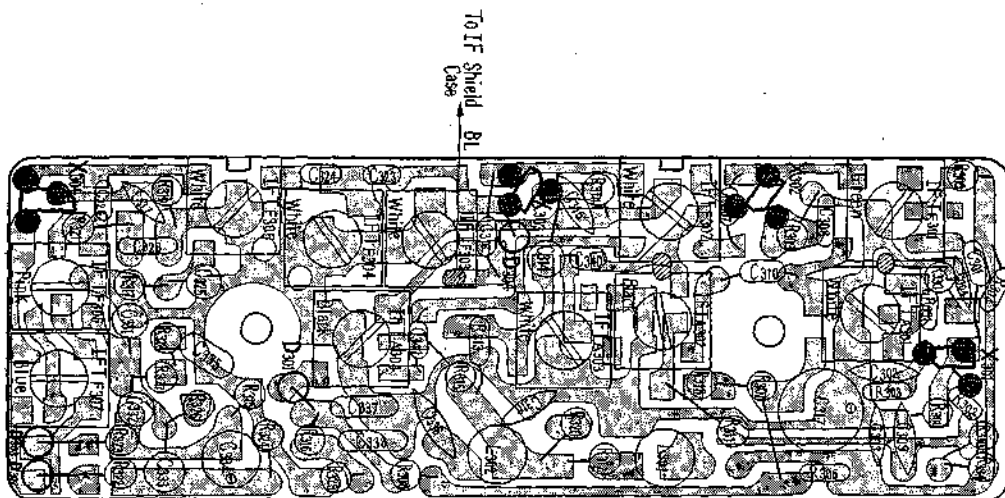
—Printed Side—



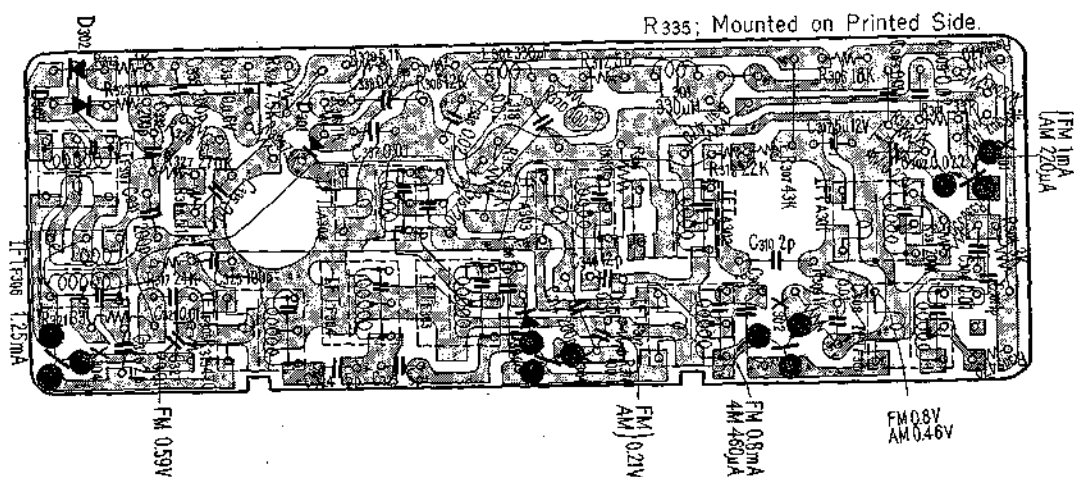
Mounting Diagram

IF Section (IF-1C)

— Parts Side —



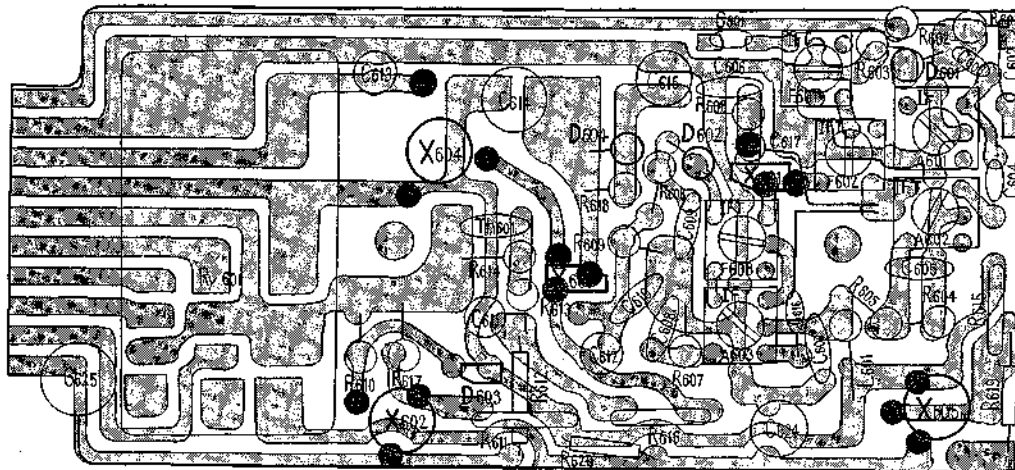
— Printed Side —



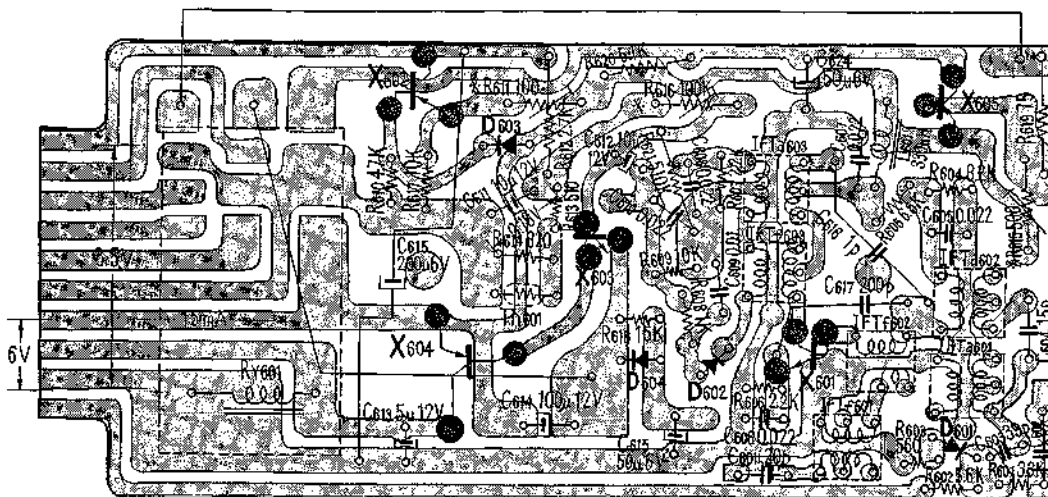
Mounting Diagram

Trigger Section (TG-1A)

—Parts Side—



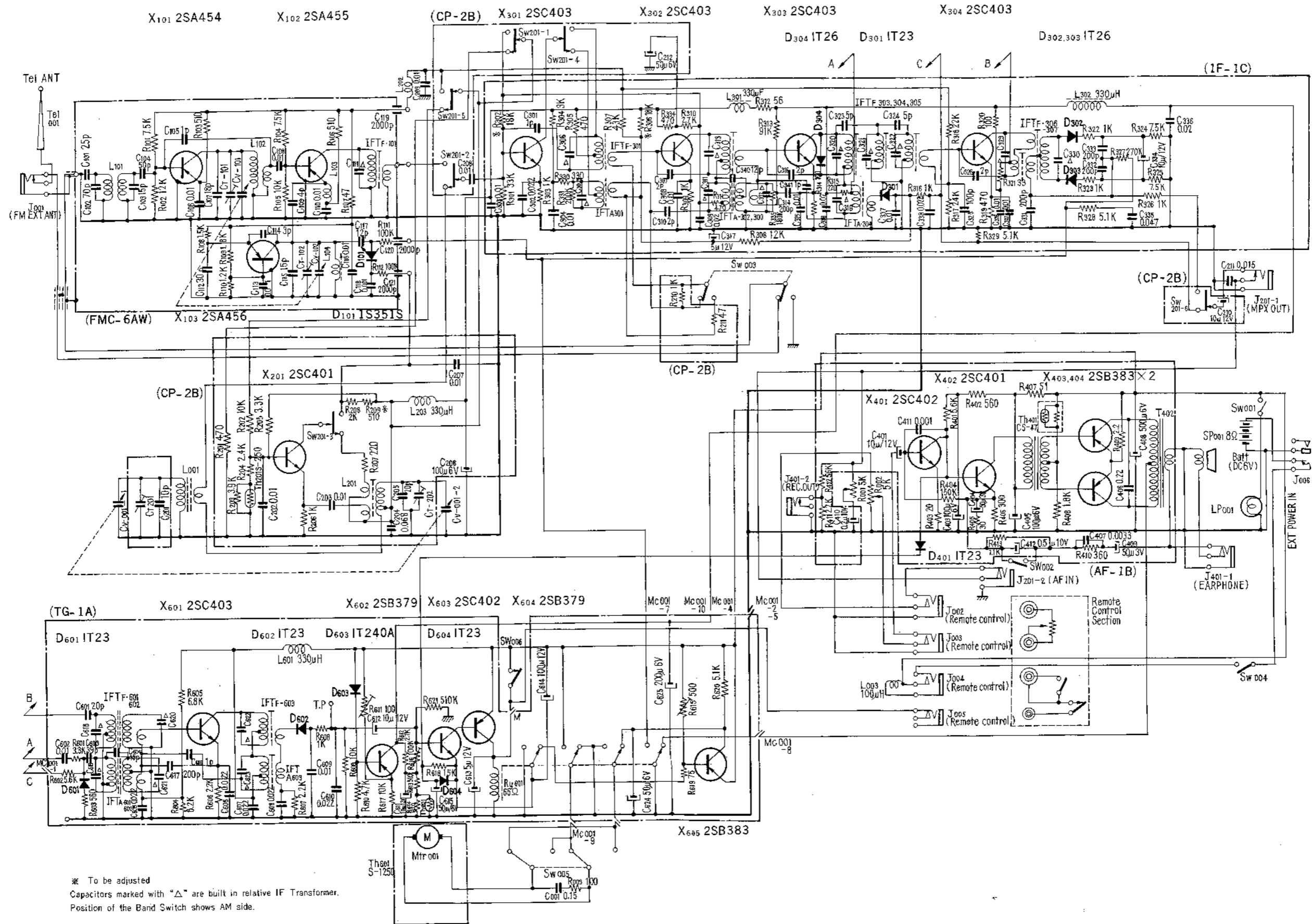
—Printed Side—



※ To be adjusted

C615: mounted on Printed Side.

Schematic Diagram



* To be adjusted
 Capacitors marked with "Δ" are built in relative IF Transformer.
 Position of the Band Switch shows AM side.

Electrical Parts List

Part No.	Symbol	Description	Part No.	Symbol	Description
1-501-072-13	Tel. 001	Antenna, Telescopic	1-514-123-12	SW ₀₀₅	Switch, motor reversing
1-401-253-11	L ₀₀₁	Coil, MW ferrite bar antenna	-124-12	SW ₀₀₆	" motor starting
	L ₀₀₂	—deleted—	1-509-111-12	MC ₀₀₁₋₁₋₁₀	Connector, multiple
1-407-045-11	L ₀₀₃	Inductor, micro 100 μ H	1-528-001-00	Batt	Battery, 6V in total
1-401-216-11	L ₁₀₁	Coil, FM antenna		X ₁₀₁	Transistor 2SA454
1-425-162-11	L ₁₀₂	" FM RF		X ₁₀₂	" 2SA455
1-405-282-11	L ₁₀₃	" Injection		X ₁₀₃	" 2SA456
-135-11	L ₁₀₄	" FM oscillator		X ₂₀₁	" 2SC401
-117-12	L ₂₀₁	" MW oscillator		X ₃₀₁	" 2SC403
1-407-030-11	L ₂₀₂	Inductor, micro 150 μ H		X ₃₀₂	" 2SC403
-050-11	L ₂₀₃	" 330 μ H		X ₃₀₃	" 2SC403
-050-11	L ₃₀₁	" 330 μ H		X ₃₀₄	" 2SC403
-050-11	L ₃₀₂	" 330 μ H		X ₄₀₁	" 2SC402
-050-11	L ₆₀₁	" 330 μ H		X ₄₀₂	" 2SC401
		Transformer		X ₄₀₃	" 2SB383
1-403-231-15	IFT _{F101}	FM IF single tuned		X ₄₀₄	" 2SB383
-243-15	IFT _{F301}	" "		X ₆₀₁	" 2SC403
-244-15	IFT _{F302}	" "		X ₆₀₂	" 2SB379
-244-15	IFT _{F303}	" "		X ₆₀₃	" 2SC402
-244-15	IFT _{F304}	" "		X ₆₀₄	" 2SB379
-244-15	IFT _{F305}	" "		X ₆₀₅	" 2SB383
-272-15	IFT _{F306}	Dis minator primary		D ₁₀₁	Diode 1S351S
-273-15	IFT _{F307}	Discriminator secondary		D ₃₀₁	" 1T23
-026-15	IFT _{A301}	AM IF single tuned		D ₃₀₂	" 1T26
-110-15	IFT _{A302}	" "		D ₃₀₃	" 1T26
-026-15	IFT _{A303}	" "		D ₃₀₄	" 1T26
-110-15	IFT _{A304}	" "		D ₄₀₁	" 1T23
-266-15	IFT _{F601}	FM IF } double tuned		D ₆₀₁	" 1T23
-267-15	IFT _{F602}	" }		D ₆₀₂	" 1T23
-243-15	IFT _{F003}	FM IF single tuned		D ₆₀₃	" 1T240A
-110-15	IFT _{A601}	AM IF single tuned		D ₆₀₄	" 1T23
-026-15	IFT _{A602}	" "		Th ₂₀₁	Thermistor S-250
-110-15	IFT _{A603}	" "		Th ₄₀₁	" CS-47
1-423-100-11	T ₄₀₁	Driver	8-690-004-01	Th ₆₀₂	" S-1250
1-427-088-11	T ₄₀₂	Output	8-691-002-01		
					Resistor
1-541-022-11	Mtr ₀₀₁	Motor	1-221-717-11	R ₀₀₁	5K Ω Tone Control
1-515-057-	Ry ₀₀₁	Relay, 65 Ω	-717-11	R ₀₀₂	5K Ω Volume Control
1-502-091-15	SP ₀₀₁	Speaker, 8 Ω	1-201-679-11	R ₀₀₃	100 Ω $\frac{1}{2}$ W Composition
1-518-006-01	Lp ₀₀₁	Lamp, Dial	1-208-054-11	R ₁₀₁	7.5K Ω $\frac{1}{10}$ W Ceramic
1-507-011-01	J ₀₀₁	Jack, FM external antenna	-059-11	R ₁₀₂	12K Ω " "
-011-01	J ₀₀₂	Jack, remote control	-026-11	R ₁₀₃	510 Ω " "
-011-01	J ₀₀₃	" "	-054-11	R ₁₀₄	7.5K Ω " "
-038-02	J ₀₀₅	" "	-057-11	R ₁₀₅	10K Ω " "
-126-11	J ₀₀₆	Jack, external power supply	-026-11	R ₁₀₆	510 Ω " "
-075-11	J ₂₀₁₋₁	Jack, twin { Mpx. out	-105-11	R ₁₀₇	47 Ω " "
	J ₂₀₁₋₂	" { AF in	-037-11	R ₁₀₈	1.5K Ω " "
-075-11	J ₄₀₁₋₁	" { earphone	-039-11	R ₁₀₉	1.8K Ω " "
	J ₄₀₁₋₂	" { Rec. out	-035-11	R ₁₁₀	1.2K Ω " "
1-513-274-11	SW ₂₀₁₋₁₋₆	Switch, band setting	1-201-868-11	R ₁₁₁	100K Ω $\frac{3}{8}$ W Composition
3-821- 884-02	SW ₀₀₁	" dial lamp	1-208-145-11	R ₁₁₂	100K Ω $\frac{1}{10}$ W Ceramic
1-513-222-21	SW ₀₀₂	" tone selecting	-025-11	R ₂₀₁	470 Ω " "
-272-11	SW ₀₀₃	" sensitivity selecting	1-201-865-11	R ₂₀₂	10K Ω $\frac{3}{8}$ W Composition
1-514-191-11	SW ₀₀₄	" power on/off	1-208-047-11	R ₂₀₃	3.9K Ω $\frac{1}{10}$ W Ceramic

Part No.	Symbol	Description	Part No.	Symbol	Description
1-208-042-11	R ₂₀₄	2.4KΩ 1/10W Ceramic	1-201-637-11	R ₄₁₃	1.1KΩ 1/8W Composition
-045-11	R ₂₀₅	3.3KΩ " "	-860-11	R ₆₀₁	3.3KΩ " "
-033-11	R ₂₀₆	1KΩ " "	-864-11	R ₆₀₂	5.6KΩ " "
1-201-858-11	R ₂₀₇	220Ω 1/8W Composition	-872-11	R ₆₀₃	560Ω " "
1-208-040-11	R ₂₀₈	2KΩ 1/10W Ceramic	1-202-038-11	R ₆₀₄	8.2KΩ " "
1-240-466-11	*R ₂₀₉	510Ω 1/8W Carbon	-032-11	R ₆₀₅	6.8KΩ " "
1-201-862-11	R ₂₁₀	1KΩ " Composition	1-201-863-11	R ₆₀₆	2.2KΩ " "
-264-11	R ₂₁₁	47Ω " "	-863-11	R ₆₀₇	2.2KΩ " "
1-208-069-11	R ₃₀₁	33KΩ 1/10W Ceramic	-862-11	R ₆₀₈	1KΩ " "
-063-11	*R ₃₀₂	18KΩ " "	-865-11	R ₆₀₉	10KΩ " "
-033-11	R ₃₀₃	1KΩ " "	1-202-023-11	R ₆₁₀	4.7KΩ " "
-044-11	R ₃₀₄	3KΩ " "	1-221-631-11	R ₆₁₁	100Ω Adjustable
1-201-453-11	R ₃₀₅	470Ω 1/8W Composition	1-202-009-11	R ₆₁₂	2.7KΩ 1/8W Composition
1-208-063-11	*R ₃₀₆	18KΩ 1/10W Ceramic	1-240-466-11	R ₆₁₃	510Ω " Carbon
1-202-076-11	R ₃₀₇	43KΩ 1/8W Composition	-471-11	R ₆₁₄	820Ω " "
1-208-059-11	R ₃₀₈	12KΩ 1/10W Ceramic	1-221-633-11	R ₆₁₅	500Ω Adjustable
-033-11	R ₃₀₉	1KΩ " "	-638-	R ₆₁₆	100KΩ " "
1-201-819-11	R ₃₁₀	2.7KΩ 1/8W Composition	1-201-865-11	R ₆₁₇	10KΩ 1/8W Composition
-453-11	R ₃₁₁	470Ω " "	-866-11	R ₆₁₈	15KΩ " "
-265-11	R ₃₁₂	56Ω " "	-973-11	R ₆₁₉	75Ω " "
1-208-080-11	R ₃₁₃	91KΩ 1/16W Ceramic	1-202-025-11	R ₆₂₀	5.1KΩ " "
1-201-679-11	R ₃₁₄	100Ω 1/8W Composition	-148-11	R ₆₂₁	510KΩ " "
-858-11	R ₃₁₅	220Ω " "			
-862-11	R ₃₁₆	1KΩ " "			
1-202-249-11	R ₃₁₇	24KΩ " "	1-151-086-11	C _{V001}	Capacitor, AM tuning
1-201-867-11	R ₃₁₈	22KΩ " "	-088-12	C _{V101}	" FM tuning
-453-11	R ₃₁₉	470Ω " "	-088-12	C _{V102}	" "
-679-11	R ₃₂₀	100Ω " "		C _{T101}	} Trimmer, (built in FM Tuning Capacitor)
-960-11	R ₃₂₁	33Ω " "		C _{T102}	
-862-11	R ₃₂₂	1KΩ " "	1-141-011-11	C _{T201}	} Trimmer, 2 units
-862-11	R ₃₂₃	1KΩ " "		C _{T202}	
1-202-035-11	R ₃₂₄	7.5KΩ " "	1-105-418-12	C ₀₀₁	0.15μF Mylar
-035-11	R ₃₂₅	7.5KΩ " "	1-101-090-11	C ₁₀₁	25pF Ceramic
1-201-862-11	R ₃₂₆	1KΩ " "	-319-11	C ₁₀₂	70pF "
-846-11	R ₃₂₇	270KΩ " "	-861-11	C ₁₀₃	15pF "
1-202-025-11	R ₃₂₈	5.1KΩ " "	-028-11	C ₁₀₄	50pF "
-025-11	R ₃₂₉	5.1KΩ " "	-951-11	C ₁₀₅	1pF "
1-201-870-11	R ₃₃₀	330Ω " "	-141-11	C ₁₀₆	0.01μF "
-328-11	R ₃₃₁	200KΩ " "	-862-11	C ₁₀₇	18pF "
	R ₃₃₂	-deleted-	-141-11	C ₁₀₈	0.01μF "
	R ₃₃₃	-deleted-	-954-11	C ₁₀₉	4pF "
1-201-453-11	R ₃₃₄	470Ω 1/8W Composition	-141-11	C ₁₁₀	0.01μF "
1-202-118-11	R ₃₃₅	180KΩ " "		C ₁₁₁	built in IFT _{F101}
1-201-864-11	R ₄₀₁	5.6KΩ " "	1-101-871-11	C ₁₁₂	30pF Ceramic
-872-11	R ₄₀₂	560Ω " "	-141-11	C ₁₁₃	0.01μF "
-951-11	R ₄₀₃	20Ω " "	-953-11	C ₁₁₄	3pF "
-113-11	R ₄₀₄	150KΩ " "	-861-11	C ₁₁₅	15pF "
-278-11	R ₄₀₅	30Ω " "	-141-11	C ₁₁₆	0.01μF "
-277-11	R ₄₀₆	300Ω " "	-961-11	C ₁₁₇	12pF "
-968-11	R ₄₀₇	51Ω " "	1-105-821-12	C ₁₁₈	0.001μF Mylar
-650-11	R ₄₀₈	1.8KΩ " "	1-101-799-11	C ₁₁₉	2000pF Feed Through
-401-11	R ₄₀₉	2.2Ω " "	-799-11	C ₁₂₀	2000pF "
-859-11	R ₄₁₀	360Ω " "	-799-11	C ₁₂₁	2000pF "
-863-11	R ₄₁₁	2.2KΩ " "	-960-11	C ₂₀₁	10pF Ceramic
-085-11	R ₄₁₂	56KΩ " "	1-105-411-12	C ₂₀₂	0.01μF Mylar

Complete Spare Parts List for 7FA-70W

Mar. '67

<u>Part No.</u>	<u>Description</u>	<u>Q'ty</u>	<u>Unit Price</u>
			US\$
<u>A. Cabinet and Appearance Items</u>			
	Cabinet, complete including -----	1	3.90
X-38216-01-7	Cabinet ass'y -----	(1)	1.27
3-821-604-	Cover dial -----	(1)	0.19
3-821-606-	Push Button, Lamp Switch -----	(1)	0.04
3-815-303-06	Antenna Catch (Black) -----	(1)	0.02
3-821-605-	Push Button, start switch -----	(2)	0.03
-607-	Handle, carrying (upper part) -----	(1)	0.17
-608-	Handle, carrying (lower part) -----	(1)	0.11
X-83216-14	Panel, upper -----	(1)	0.21
-15	Panel A, front -----	(1)	0.19
X-38216-16-	Panel B, front -----	(1)	0.16
-18-	Label, specification -----	(1)	0.05
3-821-650-	Panel, lower -----	(1)	0.10
-651-	Panel, side -----	(2)	0.26
-656-	Plate A, carrying handle ornamental -----	(1)	0.08
-657-	Plate P, " " " " -----	(1)	0.07
-678-	Boss BA 5x10x25.5, telescopic antenna -----	(1)	0.04
-680-	net, dust-proof -----	(1)	0.02
X-38199-02	Badge -----	(1)	0.08
7-621-505-32	Screw K 2 x 5 -----	(4)	0.15 (100 pcs)
7-622-310-01	Nut 4φ -----	(2)	0.43 (")
7-623-110-21	Washer 4φ -----	(1)	0.23 (")
-410-01	Star Washer 4φ -----	(2)	0.20 (")
-510-01	Lug 4φ -----	(1)	0.24 (")
3-821-610-	Knob, volume and tone control -----	2	0.01
3-821-609-	Knob, tuning -----	1	0.02
-611-	Knob, band selector -----	1	0.04
-612-	Push Button, power switch -----	1	0.01
-613-	Mount, remote control jack -----	1	0.05
-654-	Decoration plate, tuning knob -----	1	0.03
-655-	" " , volume and tone -----	2	0.04
3-811-513-	Knob, battery lid -----	1	0.10
<u>B. Mechanical Parts</u>			
3-821-615-	Gear, AM tuning capacitor -----	1	0.07
-616-	Gear, FM " " -----	1	0.04

<u>Part No.</u>	<u>Description</u>	<u>Q'ty</u>	<u>Unit Price</u>
			US\$
3-821-699-	Support, trigger P.C. Board -----	2	0.05
-761-	Spacer, band selecting knob lever -----	1	0.01
3-821-617-	Drum -----	1	0.05
-624-	Cam -----	2	0.02
-626-	Retainer, power switch -----	1	0.01
X-38216-02-	Chassis, main -----	1	0.57
-03-	Chassis, sub -----	1	0.16
-04-	Chassis, motor -----	1	0.11
-05-	Pointer -----	1	0.09
-06-	Lever Ass'y, start switch -----	1	0.05
-07-	Lever Ass'y, reverse switch -----	1	0.11
3-821-648-02	Plate, dial back -----	1	0.37
3-821-652-	Case, motor shield -----	1	0.21
-653-	Cover, trigger shield case -----	1	0.38
-659-	Retainer, circuit board -----	1	0.02
-660-	Retainer, lead wire -----	1	0.02
-662-	Retainer, jack -----	1	0.02
-663-	Mount, power switch and potentiometer -----	1	0.06
-664-	Mount, dial light switch -----	1	0.03
-665-	Spring, dial light switch -----	1	0.01
-666-	Mount, band selector knob -----	1	0.05
-667-	Lever, band selector knob -----	1	0.03
-668-	Retainer, band selector knob -----	1	0.02
-669-	Plate, band selector knob lock -----	1	0.01
-670-	Plate Spring, band selector knob -----	1	0.01
-672-	Collar, band selector knob -----	2	0.01
-673-	Boss, BA 2.6 x 5. x 4, dial back plate -----	1	0.02
-674-	" , BA 2.6 x 10 x 20, trigger shield case -----	2	0.02
-675-	" , BA 3 x 4 x 23, chassis -----	4	0.03
-676-	" , BA 3 x 4 x 42.5, rear cabinet -----	2	0.04
-677-	" , BA 3 x 4 x 67.5, " " -----	2	0.04
-679-	Retainer, chassis -----	1	0.03
-681-	Cushion, Jack -----	1	0.01
-682-	Washer -----	1	0.01
-689-	Mount, ON-OFF indicator -----	1	0.01
X-38216-21-2	Indicator, ON-OFF -----	1	0.02
-693-	Cushion, rear cover -----	2	0.01
X-38216-22-	Holder ass'y, battery -----	1	0.18
3-821-694-	Cushion A -----	2	0.02
-695-	Spacer, insulator (ON-OFF switch) -----	1	0.01
3-808-422-	Leaf Switch, dial light -----	1	0.02
-424-	Insulator, lamp switch -----	1	0.01
0-206-817-	Spring, battery -----	1	0.03
3-811-772-	Plate, battery negative contact -----	1	0.03

2/17 (7FA-70W)

R7-24

<u>Part No.</u>	<u>Description</u>	<u>Q'ty</u>	<u>Unit Price</u>
			US\$
3-821-757-	Sw. Spacer Bard Selector -----	1	0.01
-758-	Cushion Speaker -----	1	0.02
-759-	Spacer, Battery Lid -----	3	0.01
0-214-123-	VC Cushion -----	4	0.01
X-38173-03-3	IF Shield Case Ass'y -----	1	0.12
3-815-140-	Cushion IF Board -----	1	0.07
3-817-307-	Cover for IF Shield Case -----	1	0.08
3-809-726-	TD 4 x 5 for Speaker Holding Screw (4) -----	4	0.02
3-811-769-	Washer, Lock -----	1	0.01
-762-	Holder, bar antenna -----	2	0.02
-186-	Screw, reverse switch lever -----	2	0.01
3-811-529-	Plate, battery lid lock -----	1	0.02
-530-	Plate, spring -----	1	0.02
3-812-148-	Washer, telescopic antenna -----	1	0.01
3-803-026-	Spring, dial string -----	1	0.01
3-807-333-	Nylon Washer, pulley shaft -----	4	0.01
3-809-610-	Mount, jack -----	1	0.02
3-103-527-	Binder, rubber -----	3	0.02
3-809-058-	Cushion, Battery -----	2	0.01
3-817-114-	Pulley -----	2	0.01
0-039-768-	Cushion B, sub-chassis -----	1	0.02
3-815-202-	Cushion C, rear cover -----	2	0.03
X-38510-11-	FMC-6AW Mechanical Ass'y, including -----	1	0.21
3-851-003-	Chassis, tuner -----	(1)	0.03
-001-	Mount, circuit board -----	(1)	0.06
7-621-303-42	Screw F 1.7 x 5 -----	(2)	0.20 (100 pcs)
-305-12	Screw F 2 x 3 -----	(2)	0.17 (")
3-821-753-	Support, Back Plate -----	1	0.02
-754-	DC. Jack Plate -----	1	0.02

C. Electrical Parts

1. General Block

1-401-253-	Coil, MW bar antenna -----	1	0.34
1-151-086-	Capacitor, tuning -----	1	1.14
1-221-717-	Potentiometer, volume and tone -----	2	0.14
1-501-072-	Antenna, telescopic -----	1	0.76
1-502-091-	Speaker -----	1	0.75
1-509-111-	Multi-connector -----	1	0.08
1-507-011-	Jack -----	4	0.05
-038-	Jack, earphone -----	1	0.07
1-513-222-	Switch, tone selector -----	1	0.10

3/17 (7FA-70W)

R7-24

<u>Part No.</u>	<u>Description</u>	<u>Q'ty</u>	<u>Unit Price</u>
			US\$
1-513-272-	Switch, sensitivity selector -----	1	0.15
1-514-191-	" , power -----	1	0.21
-123-	" , reverse -----	1	0.44
-124-	" , start -----	1	0.42
1-518-006-01	Lamp, dial -----	1	0.07
1-507-126-	Jack, external power supply -----	1	0.15
-901-12	Nut, jack -----	4	0.01
1-407-045-	Coil, choke -----	1	0.03
1-536-030-	Strip, terminal -----	1	0.02
1-538-378-12	Circuit Board, FM tuner -----	1	0.03
-439-11	" " , coil pack -----	1	0.04
-421-12	" " , IF -----	1	0.04
-420-12	" " , trigger -----	1	0.12
-359-31	" " , AF -----	1	0.08
1-105-418-	C-001 Capacitor, Mylar 0.15uF -----	1	0.07
1-201-679-	R003 Resistor, 100 ohms RCL/8+10% -----	1	0.02

COIL and TRANSFORMER

1. FM Tuner Block

1-401-216-	Filter, band pass	L101 -----	1	0.05
1-425-162-	Coil, RF	L102 -----	1	0.06
1-405-135-	" , Oscillator (FM)	L104 -----	1	0.05
-282-	" , Oscillator injection	L103 -----	1	0.03
1-403-231-	Transformer, IF(FM)	F101 -----	1	0.16

2. Coil Pack Block

1-405-117-	Coil, oscillator (AF)	L201 -----	1	0.13
1-407-030-	Coil, choke (150uH)	L202 -----	1	0.03
-050-	Coil, choke (330uH)	L203 -----	1	0.03

3. IF Block

1-403-026-15	Transformer, IF (AM)	A301,303 -----	2	0.12
-110-15	" , IF (AM)	A302,304 -----	2	0.12
-243-15	" , IF (FM)	F301 -----	1	0.16
-244-15	" , IF (FM)	F302,303,304,305 --	4	0.16
-272-15	" , discriminator (primary)	-----	1	0.16
-273-15	" , " (secondary)	-----	1	0.16
1-407-050-	Coil, choke (330uH)	L301,302 -----	2	0.03

4/17 (7FA-70W)

R7-24

<u>Part No.</u>	<u>Description</u>	<u>Q'ty</u>	<u>Unit Price</u>
			US\$
<u>4. AF Block</u>			
1-423-100-	Transformer, driver -----	1	0.22
1-427-088-	" , output -----	1	0.26
<u>5. Trigger Block</u>			
1-403-266-15)	Transformer, IF (FM) F601 -----	1	0.16
-267-15)	F602 -----		
-243-15	Transformer, IF (FM) F603 -----	1	0.16
-110-15	" , IF (AM) A601,603 -----	2	0.12
-026-15	" , " A602 -----	1	0.12
<u>SEMICONDUCTOR</u>			
<u>1. FM Tuner Block</u>			
Transistor	X101 2SA4561 -----	1	0.38
	X102 2SA4542 -----		
	2SA4552 -----		
	2SA4542 -----	1	0.38
	2SA4561 -----		
	X103 2SA4561 -----	1	0.38
Diode	D101 1S351S -----	1	0.28
	SD-111 -----		
<u>2. Coil Pack Block</u>			
Transistor	X201 2SC401 -----	1	0.21
8-690-004-	Thermistor Th201 S-250 -----	1	0.03
<u>3. IF Block</u>			
Transistor	X303,304,301,302 2SC403 -----	4	0.21
Diode	D301, 1T23 -----	1	0.06
	D302,303, 304 1T26 -----	3	0.06
<u>4. AF Block</u>			
Transistor	X401 2SC402 -----	1	0.21
	X402 2SC401 -----	1	0.21
	X403,404 2SB379 -----	2	0.15

5/17 (7FA-70W)

R7-24

<u>Part No.</u>	<u>Description</u>	<u>Q'ty</u>	<u>Unit Price</u>
			US\$

Diode	D401	1T23 -----	1 0.06
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5. Trigger Block

Transistor	X603	2SC402 -----	1 0.21
	X601	2SC403 -----	1 0.21
	X602,604	2SB379 -----	2 0.15
	X605	2SB383 -----	1 0.25
Diode	D603	1T240A -----	1 0.15
	D601,602,604	1T23 -----	3 0.06
Thermistor	Th601	S-1250 -----	1 0.03

OTHER ELECTRICAL PARTS

1-151-088-	Capacitor, tuning (FM) -----	1 0.49
1-141-011-	Capacitor, trimmer -----	1 0.08
1-513-274-	Switch, band selector -----	1 0.26
3-855-001-	Heat Sink -----	2 0.04
3-423-102-	Retainer, transistor -----	2 0.03
1-515-057-	Relay -----	1 1.37
1-507-075-	Jack twin. -----	1 0.11
1-541-023-	Motor -----	1 1.05

RESISTOR

1. FM Tuner Block

1-208-105-	R107	47 ohms R1/10	±10% -----	1 0.02
-026-	R103,106	510 " "	" -----	2 0.02
-035-	R110	1.2K " "	+5% -----	1 0.02
-037-	R108	1.5K " "	" -----	1 0.02
-039-	R109	1.8K " "	±10% -----	1 0.02
-054-	R101,104	7.5K " "	" -----	2 0.02
-057-	R105	10K " "	" -----	1 0.02
-059-	R102	12K " "	" -----	1 0.02
-145-	R112	100K " "	" -----	1 0.02
1-201-868-11	R111	100K " "	" -----	1 0.02

2. Coil Pack Block

1-201-856-	R213	10 ohms R1/8	±10% -----	1 0.02
-264-	R211	47 " "	" -----	1 0.02
-858-	R207	220 " "	" -----	1 0.02

6/17 (7FA-70W)

R7-24

<u>Part No.</u>	<u>Description</u>					<u>Q'ty</u>	<u>Unit Price</u>
							US\$
1-201-852-	R210	1K	ohm	RCL/8	+10%	1	0.02
-865-	R202	10K	ohms	"	"	1	0.02
1-240-463-	R209 (Adjust)	390	")			
-464-	"	430	")			
-465-	"	470	")			
-466-	"	510	")	RDL/8US +5%	1	0.02
-467-	"	560	")			
-468-	"	620	")			
1-208-025-	R201	470	"	RT1/10	+10%	1	0.02
-033-	R206	1K	ohm	"	"	1	0.02
-042-	R204	2.4K	ohms	"	"	1	0.02
-045-	R205	3.3K	"	"	"	1	0.02
-047-	R203	3.9K	"	"	"	1	0.02
-040-	R208	2.0K	"	"	"	1	0.02

3. IF Block

1-201-960-	R321	33	ohms	RCL/8	+10%	1	0.02
-265-	R312	56	"	"	"	1	0.02
-679-	R314, 320	100	"	"	"	2	0.02
-858-	R315	220	"	"	"	1	0.02
-870-	R330	330	"	"	"	1	0.02
-453-	R319, 334, 305, 311	470	"	"	"	4	0.02
-862-	R323, 326, 316, 322	1K	ohm	"	"	4	0.02
-819	R310	2.7K	ohms	"	"	1	0.02
1-202-025-	R328, 329	5.1K	"	"	"	2	0.02
-035-	R324, 325	7.5K	"	"	"	2	0.02
1-201-865-	R332	10K	"	"	"	1	0.02
-867-	R318	22K	"	"	"	1	0.02
1-202-249-	R317	24K	"	"	"	1	0.02
-076-	R307	43K	"	"	"	1	0.02
1-201-328-	R331	200K	"	"	"	1	0.02
-846-	R327	270K	"	"	"	1	0.02
1-208-033-	R303, 309	1K	ohm	RT1/10	+5%	2	0.02
-044-	R304	3K	ohms	"	"	1	0.02
-059-	R308	12K	"	"	"	1	0.02
-080-	R313	91K	"	"	"	1	0.02
-069-	R301	33K	"	"	"	1	0.02
-061-	R306 (Adjust)	15K	")			
-062-	"	16K	")	RT1/10 +5%	1	0.02
-063-	"	18K	")			
-064-	"	20K	")			

7/17 (7FA-70W)

R7-24

<u>Part No.</u>	<u>Description</u>	<u>Qty</u>	<u>Unit Price</u>	<u>US\$</u>
1-208-057-	R302 (Adjust) 10K ohms)			
-058-	" 11K ")			
-059-	" 12K ")			
-060-	" 13K ")			
-061-	" 15K ")	RTL/10 ±5% ----	1	0.02
-062-	" 16K ")			
-063-	" 18K ")			
-064-	" 20K ")			
-065-	" 22K ")			
1-202-134-	R335 330K "	RCL/8 ----	1	0.02

4. AF Block

1-201-401-11	R409 2.2 ohms	RCL/4 ±10% ---	1	0.02
-951-	R403 20 "	RCL/8 " ---	1	0.02
-278-	R405 30 "	" " ---	1	0.02
-968-	R407 51 "	" " ---	1	0.02
-277-	R406 300 "	" " ---	1	0.02
-859-	R410 360 "	" " ---	1	0.02
-872-	R402 560 "	" " ---	1	0.02
-650-	R408 1.8K "	" " ---	1	0.02
-863-	R411 2.2K "	" " ---	1	0.02
-864-	R401 5.6K "	" " ---	1	0.02
-085-	R412 56K "	" " ---	1	0.02
-113-	R404 150K "	" " ---	1	0.02
-637-	R413 1.1K "	" " ---	1	0.02

5. Trigger Block

1-221-631-	R611 (Adjustable) 100 ohms		1	0.05
-633-	R615 (") 500 "		1	0.05
-638-	R616 (") 100K "		1	0.05
1-201-973-	R619 75 "	RCL/8 ±10% ---	1	0.02
-872-	R603 560 "	" " ---	1	0.02
-862-	R608 1K ohm	" " ---	1	0.02
-863-	R606, 607 2.2K ohms	" " ---	2	0.02
-860-	R601 3.3K "	" " ---	1	0.02
1-202-023-	R610 4.7K "	" " ---	1	0.02
-025-	R620 5.1K "	" " ---	1	0.02
1-201-864-	R602 5.6K "	" " ---	1	0.02
1-202-032-	R605 6.8K "	" " ---	1	0.02
-038-	R604 8.2K "	" " ---	1	0.02
1-201-865-	R609, 617 10K "	" " ---	2	0.02

8/17 (7FA-70W)

R7-24

<u>Part No.</u>	<u>Description</u>	<u>Q'ty</u>	<u>Unit Price</u>
1-201-866-	R618 15K ohms RCL/8 ±10%	1	0.02
1-202-148-	R621 510K " " "	1	0.02
1-240-466-	R613 510 " RDL/8US 5%	1	0.02
-471-	R614 820 " " "	1	0.02
1-202-009-	R612 2.7K " " "	1	0.02

US\$

CAPACITOR

i) CERAMIC CAPACITOR

1. FM Tuner Block

1-101-799-	C119,120,121	2000PF (Feed-through type)-	3	0.07
-951-	C105	1PF ±0.5PF	1	0.02
-954-	C109	4PF " "	2	0.02
-953-	C114	3PF " "	1	0.02
-861-	C103,115	15PF ±5%	2	0.02
-862-	C107	18PF " 50V	2	0.02
-090-	C101	25PF " "	1	0.02
-871-	C112	30PF " "	2	0.02
-028-	C104	50PF " "	1	0.02
-791-	C102	70PF " 25V	1	0.02
-905-	C106,108,110,113, 116	0.01uF +80% " -20%	5	0.02
-961-	C117	12PF ±5% 50V	1	0.02

2. Coil Pack Block

1-101-960-	C201	10PF ±10% 50V	1	0.02
-898-	C205	20PF " "	1	0.02
-141-	C209	0.01uF 25V	1	0.02

3. IF Block

1-101-951-	C301,341	1PF ±0.5PF 50V	2	0.02
-952-	C307,310,316,326	2PF " "	4	0.02
-955-	C323,324	5PF " "	2	0.02
-961-	C340	12PF ±5% " "	1	0.02
-142-	C309,318,336	0.02uF +80% 25V -20%	3	0.02

4. Trigger Block

1-101-951-	C616	1PF ±0.5PF 50V	1	0.02
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9/17 (7FA-70W)

R7-24

<u>Part No.</u>	<u>Description</u>	<u>Q'ty</u>	<u>Unit Price</u>	<u>US\$</u>
1-101-861-	C604 15PF +5% 50V -----	1	0.02	
-864-	C601 20PF " " -----	1	0.02	
-876-	C603 39PF " " -----	1	0.02	
<u>ii) STYROL CAPACITOR</u>				
<u>1. IF Block</u>				
1-103-601-	C325 100PF +5% 50V -----	1	0.03	
-608-	C314, 331, 332, 333 200PF " " -----	4	0.03	
<u>2. Trigger Block</u>				
1-103-608-	C617 200PF +5% 50V -----	1	0.03	
<u>iii) MYLAR CAPACITOR</u>				
<u>1. FM Tuner Block</u>				
1-105-821-	C118 0.001uF 50V -----	1	0.02	
<u>2. Coil Pack Block</u>				
1-105-412-	C211 0.05uF 35V -----	1	0.02	
-411-	C202, 203, 207, 208 0.01uF " -----	4	0.02	
-416-	C204 0.068uF " -----	1	0.04	
<u>3. IF Block</u>				
1-105-411-	C303, 304, 308, 337, 315, 327, 328 0.01uF 35V -----	7	0.02	
-413-	C338, C302 0.022uF " -----	2	0.02	
<u>4. AF Block</u>				
1-105-821-	C411 0.001uF 50V -----	1	0.02	
-827-	C407 0.0033uF " -----	1	0.02	
-419-	C406 0.22uF 35V -----	1	0.09	
<u>5. Trigger Block</u>				
1-105-411-	C602, 609 0.01uF 35V -----	2	0.02	

10/17 (7FA-70W)

R7-24

<u>Part No.</u>	<u>Description</u>	<u>Q'ty</u>	<u>Unit Price</u>	<u>US\$</u>
1-105-413-	C605,606,607,608,610 0.022uF 35V -----	5	0.02	
	<u>iv) ELECTROLYTIC CAPACITOR</u>			
	<u>1. Coil Pack Block</u>			
1-121-282-	C210 10uF 6V -----	1	0.04	
-291-	C206 100uF " -----	1	0.06	
-287-	C212 50uF " -----	1	0.05	
	<u>2. IF Block</u>			
1-121-280-	C317 5uF 12V -----	1	0.05	
-282-	C334 10uF " -----	1	0.04	
1-127-047-	C335 0.047uF 10V -----	1	0.05	
	<u>3. AF Block</u>			
1-127-020-	C410 0.2uF 10V -----	1	0.05	
-022-	C412 0.5uF " -----	1	0.05	
1-121-315-	C403,405 100uF 6V -----	2	0.06	
-342-	C408 500uF " -----	1	0.09	
-282-	C401 10uF 12V -----	1	0.04	
-287-	C404,409 50uF 3V -----	2	0.05	
	<u>4. Trigger Block</u>			
1-121-306-)	C613 5uF 12V -----	1	0.04	
280-)				
1-121-307-)	C611,612 10uF 12V -----	2	0.04	
-282-)				
-312-)	C615,624 50uF 6V -----	2	0.05	
-322-)				
-316-)	C614 100uF 12V -----	1	0.06	
-292-)				
-318-)	C625 200uF 6V -----	1	0.07	
-295-)				

D. Screw, Washer and Nut (Minimum Q'ty for ordering; 100 pcs.)

<u>Screw</u>				
7-621-309-72	F 2.6 x 12 (IF Board) -----	2	0.38	
7-621-303-32	F 1.7 x 4, (FM tuning capacitor) -----	1	0.22	
-305-12	F 2 x 3, (motor shield case (3), power sw(2), battery lid lock plate (2), motor chassis (4), switch lever (1)) -----	12	0.18	
-22	F 2 x 4, (FM tuner (3), power sw. mounter(2)) -----	5	0.17	
-72	F 2 x 12, (reverse switch (2)) -----	2	0.25	
-309-12	F 2.6 x 3, (band selector knob retainer (3), dial back plate (4), trigger shield case (2), start switch (2), power sw. retainer(1), Jack holder (1), power switch (1)) -----	14	0.38	

11/17 (7FA-70W)

R7-24

<u>Part No.</u>	<u>Description</u>	<u>Q'ty</u>	<u>Unit Price</u>
			US\$
7-621-309-22	F2.6 x 4, (CP circuit board (2), AM tuning capacitor (1), sub-chassis (3), chassis retainer (4)) -----	10	0.25
-311-22	F3 x 4, (dial drum (1), pilot lamp (1)) -----	2	0.31
-42	F3 x 6, (AF circuit Board (2), bar antenna holder (2)) -----	4	0.30
-72	F3 x 12, (multi-connector) -----	2	0.42
-509-52	K 2.6 x 8, (band setting knob) -----	2	0.27
-559-62	(+) K 2.6 x 10, (band setting knob) -----	2	0.29
-509-22	K 2.6 x 4, (AM tuning capacitor) -----	2	0.28
-555-56	(+) K 2 x 8, (external power supply jack) --	2	0.57
-32	(+) K 2 x 5, (gear for AM tuning capacitor)-	2	0.17
-161-22	(+) R 3 x 4, (main-chassis (4)) -----	4	0.13
-261-49	(+) P 3 x 6, (battery cylinder (6), remote control jack (2)) -----	8	0.68
-261-58	(+) P 3 x 8 (back cover) -----	4	0.62
-255-58	(+) P 2 x 8 (battery lid) -----	3	0.49
	<u>Washer (plain)</u>		
7-623-105-21	2 ϕ (large), (5P terminal strip) -----	1	0.07
-11	2 ϕ (start switch lever) -----	1	0.07
-107-11	2.6 ϕ , (AM tuning capacitor) -----	1	0.10
-110-12	4 ϕ , (speaker (4)) -----	4	0.23
-108-11	3 ϕ , (tuning drum (1), pilot lamp (1)) -----	2	0.10
	<u>Washer (lock-star)</u>		
7-623-407-01	2.6 ϕ , (lock) -----	2	0.19
	<u>Nut</u>		
7-622-307-01	2.6 ϕ , (band setting knob) -----	2	0.27
-305-01	2 ϕ , (battery lid) -----	3	0.20
	<u>Lug</u>		
7-623-508-01	3 ϕ , (AF circuit board) -----	1	0.13
	<u>Retaining Ring</u>		
7-624-104-01	E-2, (pilot lamp) -----	1	0.36

12/17 (7FA-70W)

R7-24

<u>Part No.</u>	<u>Description</u>	<u>Q'ty</u>	<u>Unit Price</u>
			US\$
	<u>Eyelet</u>		
7-623-606-01	1.3 x 3, (dial string) -----	1	0.05
	<u>Steel Ball</u>		
7-671-106-01	3/16", (band setting knob) -----	1	0.48
<u>E. Wire and Miscellaneous Items</u>			
i) <u>POLYURETHANE WIRE</u>			
1. <u>FM Tuner Block</u>			
1-905-220-12	0.26 ϕ Red 20mm -----	3	0.01
-16	" Blue " -----	1	0.01
2. <u>CP Block</u>			
1-905-225-12	0.26 ϕ Red 25mm -----	2	0.01
-235-12	" " 35mm -----	1	0.01
3. <u>IF Block</u>			
1-905-450-15	0.4 ϕ Green 50mm -----	1	0.01
-440-12	0.4 ϕ Red 40mm -----	1	0.01
4. <u>Trigger Block</u>			
1-905-450-12	0.4 ϕ Red 50mm -----	1	0.01
-480-16	" Blue 80mm -----	1	0.01
ii) <u>P.V.C. WIRE</u>			
4. <u>Trigger Block</u>			
1-902-914-05	12/0.12 Green 140mm -----	1	0.01
-09	" White 160mm -----	1	0.01
-906-02	" Red 60mm -----	1	0.01
-01	" Brown 140mm -----	1	0.01
2. <u>IF Block</u>			
1-902-914-00	12/0.12 Black 140mm -----	1	0.01

13/17 (7FA-70W)

R7-24

<u>Part No.</u>	<u>Description</u>		<u>Qty</u>	<u>Unit Price</u>
				US\$
1-902-914-02	12/0.12	Red 140mm -----	1	0.01
-07	"	Gromwell " -----	1	0.01
-908-01	"	Brown 80mm -----	1	0.01
-03	"	Orange " -----	1	0.01
-06	"	Blue " -----	1	0.01
-07	"	Gromwell " -----	1	0.01
-912-08	"	Gray 120mm -----	1	0.01
-908-09	"	White 80mm -----	1	0.01
-907-02	"	Red 70mm -----	1	0.01
-04	"	Yellow " -----	1	0.01
-05	"	Green " -----	1	0.01
-08	"	Gray " -----	1	0.01
-904-00	"	Black 40mm -----	2	0.01

3. AF Block

1-902-930-00	12/0.12	Black 300mm -----	1	0.01
-916-00	"	" 160mm -----	2	0.01
-916-03	"	Orange 160mm -----	1	0.01
-04	"	Yellow " -----	1	0.01
-08	"	Gray " -----	1	0.01
-910-06	"	Blue 100mm -----	1	0.01
-09	"	White " -----	1	0.01
-908-07	"	Gromwell 80mm -----	1	0.01
-907-03	"	Orange 70mm -----	1	0.01
-04	"	Yellow " -----	1	0.01
-09	"	White " -----	1	0.01
-906-00	"	Black 60mm -----	2	0.01
-905-02	"	Red 50mm -----	1	0.01
-912-00	"	Black 120mm -----	1	0.01
-922-02	"	Red 220mm -----	1	0.01
-935-00	"	Black 350mm -----	1	0.01

4. Trigger Block

1-902-590-00	Single Conductor	30mm -----	1	0.01
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iii) BRAIDED WIRE

1. FM Tuner Block

1-906-320-00	3mm width	10mm -----	1	0.01
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14/17 (7FA-70W)

R7-24

<u>Part No.</u>	<u>Description</u>	<u>Q'ty</u>	<u>Unit Price</u>
			US\$
	<u>iv) COAXIAL CABLE</u>		
	<u>1. FM Tuner Block</u>		
1-909-304-00	Black 40mm -----	1	0.02
	<u>v) SHIELDED WIRE</u>		
	<u>1. FM Tuner Block</u>		
1-904-109-09	Single Conductor White 90mm -----	1	0.02
	<u>2. CP Block</u>		
1-904-118-08	Single conductor Gray 180mm -----	1	0.03
-116-02	Red 160mm -----	1	0.02
	<u>3. IF Block</u>		
1-904-112-02	Single Conductor Red 120mm -----	1	0.02
-04	Yellow 120mm -----	1	0.02
-110-02	Red 100mm -----	1	0.02
-108-09	White 80mm -----	1	0.02
	<u>vi) TINNED COPPER WIRE</u>		
	<u>1. IF Block</u>		
7-611-031-71	0.8 ϕ 50mm -----		0.01
	<u>vii) IRRAX TUBE</u>		
	<u>1. FM Tuner Block</u>		
1-908-908-07	0.7 ϕ 8mm -----	1	0.01
-920-	" 20mm -----	2	0.01
	<u>2. AF Block</u>		
1-908-420-10	1 ϕ 20mm -----	6	0.01

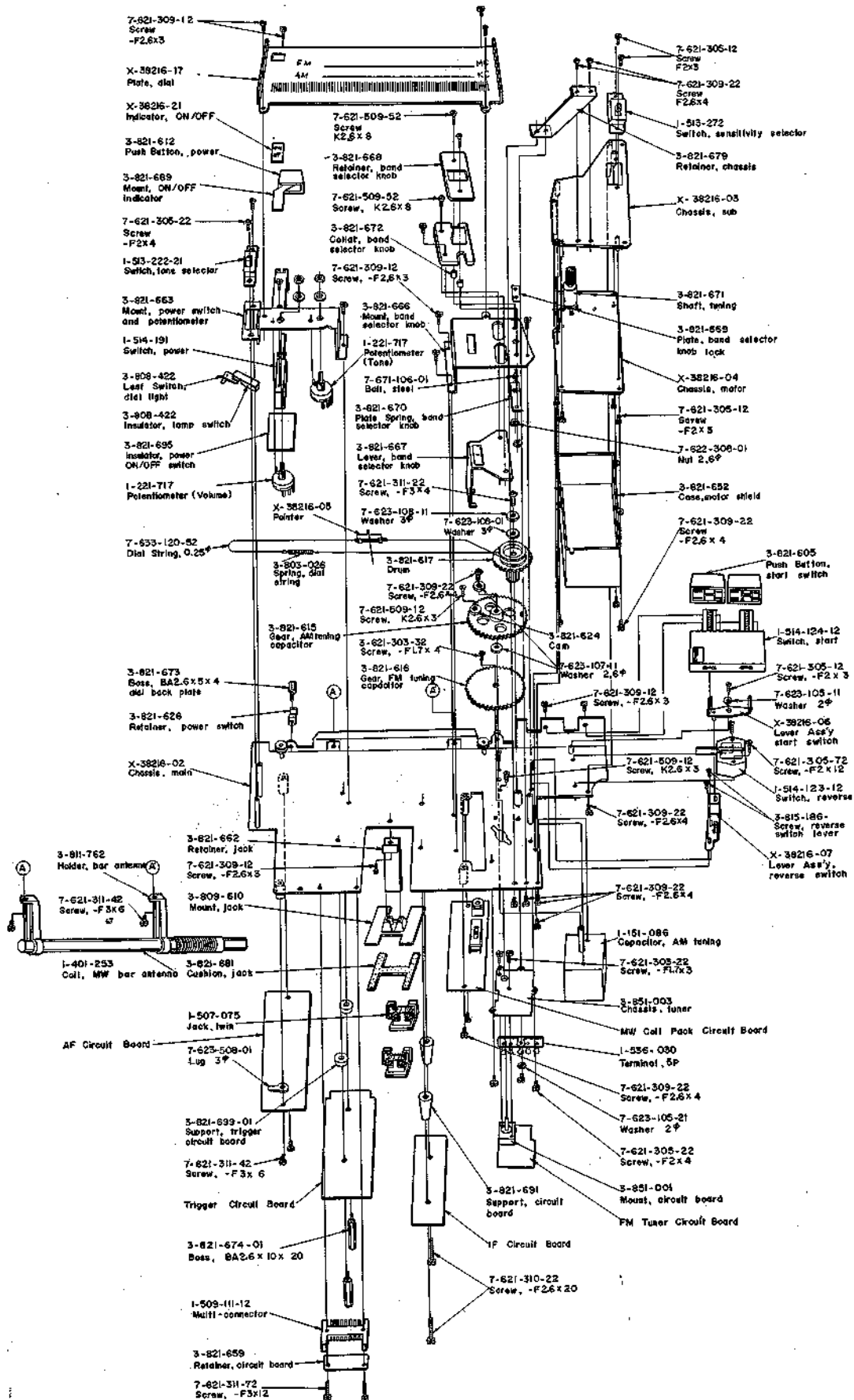
<u>Part No.</u>	<u>Description</u>	<u>Q'ty</u>	<u>Unit Price</u>
<u>GENERAL LEAD WIRE</u>			US\$
<u>1. P.V.C. Wire (12/0.12)</u>			
1-902-909-00	Red 90mm -----	1	0.01
-935-03	Orange 350mm -----	1	0.01
-04	Yellow " -----	1	0.01
-920-09	White 200mm -----	1	0.01
-916-01	Brown 160mm -----	1	0.01
-914-02	Red 140mm -----	1	0.01
-04	Yellow " -----	1	0.01
-06	Blue " -----	1	0.01
-916-09	White 160mm -----	1	0.01
-912-00	Black 120mm -----	2	0.01
-01	Brown 120mm -----	1	0.01
-05	Green 90mm -----	1	0.01
-905-02	Red 50mm -----	1	0.01
-09	White " -----	1	0.01
-912-09	" 120mm -----	1	0.01
-906-02	Red 60mm -----	1	0.01
<u>2. Shielded Wire</u>			
1-904-122-09	White 220mm -----	1	0.03
-130-02	Red 300mm -----	1	0.01
-120-04	Yellow 200mm -----	1	0.03
<u>3. Coaxial Cable</u>			
1-909-309-00	Black 90mm -----	1	0.03
-307-00	Black 70mm -----	1	0.02
<u>4. Polyurethan Wire</u>			
1-905-435-16	0.46 Blue 35mm -----	1	0.01
-15	" Green " -----	1	0.01
-12	" Red " -----	1	0.01
-225-12	0.266 " 25mm -----	1	0.01
<u>5. Dial String</u>			
7-633-120-52	0.256 307mm -----		0.02
<u>F. Attached Items</u>			
3-821-683-02	Carton -----	1	0.20
-684-02	Carton, master (3 sets) -----	1/3	0.33
-685-	Cushion Styro-foam (top right) -----	1	0.10
-686-	" " (" left) -----	1	0.09

<u>Part No.</u>	<u>Description</u>	<u>Qty</u>	<u>Unit Price</u>
			US\$
3-821-687-	Cushion, styro-foam (bottom right) -----	1	0.05
-688-	" " (" left) -----	1	0.05
3-813-634-	Bag, polyethylene -----	1	0.03
3-995-370-	Manual, instruction -----	1	0.16
1-528-001-	Battery, size "D" -----	4	0.07
1-504-034-12	Earphone, ME-20 -----	1	0.15
X-44900-02-1	Cloth, polishing -----	1	0.02
3-998-901.	Label, serial No. -----	1	0.01

Part No.	Symbol	Description	Part No.	Symbol	Description
1-105-411-12	C ₂₀₃	0.01 μ F Mylar	1-127-047-11	C ₃₃₅	0.047 μ F Electrolytic
-416-12	C ₂₀₄	0.068 μ F "	1-101-142-11	C ₃₃₆	0.02 μ F Ceramic
1-101-898-11	C ₂₀₅	20pF Ceramic	1-105-411-12	C ₃₃₇	0.01 μ F Mylar
1-121-291-11	C ₂₀₆	100 μ F 6V Electrolytic	-413-12	C ₃₃₈	0.022 μ F "
1-105-411-12	C ₂₀₇	0.01 μ F Mylar		C ₃₃₉	—deleted—
-411-12	C ₂₀₈	0.01 μ F "	1-101-961-11	C ₃₄₀	12pF Ceramic
1-101-141-11	C ₂₀₉	0.01 μ F Ceramic	-951-11	C ₃₄₁	1pF "
1-121-282-11	C ₂₁₀	10 μ F 12V Electrolytic	1-121-282-11	C ₄₀₁	10 μ F 12V Electrolytic
1-105-412-12	C ₂₁₁	0.015 μ F Mylar		C ₄₀₂	—deleted—
1-121-287-11	C ₂₁₂	50 μ F 6V Electrolytic	1-121-315-11	C ₄₀₃	100 μ F 6V Electrolytic
1-101-951-11	C ₃₀₁	1pF Ceramic	-287-11	C ₄₀₄	50 μ F 3V "
1-105-413-12	C ₃₀₂	0.022 μ F Mylar	-315-11	C ₄₀₅	100 μ F 6V "
-411-12	C ₃₀₃	0.01 μ F "	1-105-419-12	C ₄₀₆	0.22 μ F Mylar
-411-12	C ₃₀₄	0.01 μ F "	-827-12	C ₄₀₇	0.0033 μ F "
	C ₃₀₅	built in IFT _{A301}	1-121-342-11	C ₄₀₈	500 μ F 6V Electrolytic
	C ₃₀₆	built in IFT _{F301}	-827-11	C ₄₀₉	50 μ F 3V "
1-101-952-11	C ₃₀₇	2pF Ceramic	1-127-020-11	C ₄₁₀	0.2 μ F 10V "
1-105-411-12	C ₃₀₈	0.01 μ F Mylar	1-105-821-12	C ₄₁₁	0.001 μ F Mylar
1-101-142-11	C ₃₀₉	0.02 μ F Ceramic	1-127-022-11	C ₄₁₂	0.5 μ F 10V Electrolytic
-952-11	C ₃₁₀	2pF "	1-101-864-11	C ₆₀₁	20pF Ceramic
	C ₃₁₁	built in IFT _{A302}	1-105-411-12	C ₆₀₂	0.01 μ F Mylar
	C ₃₁₂	built in IFT _{A303}	1-101-876-11	C ₆₀₃	39pF Ceramic
	C ₃₁₃	built in IFT _{F302}	-861-11	C ₆₀₄	15pF "
1-103-608-11	C ₃₁₄	200pF Styrol	1-105-413-12	C ₆₀₅	0.022 μ F Mylar
1-105-411-12	C ₃₁₅	0.01 μ F Mylar	-413-12	C ₆₀₆	0.022 μ F "
1-101-952-11	C ₃₁₆	2pF Ceramic	-413-12	C ₆₀₇	0.022 μ F "
1-121-280-11	C ₃₁₇	5 μ F 12V Electrolytic	-413-12	C ₆₀₈	0.022 μ F "
1-101-142-11	C ₃₁₈	0.02 μ F Ceramic	-411-12	C ₆₀₉	0.01 μ F "
	C ₃₁₉	built in IFT _{A304}	-413-12	C ₆₁₀	0.022 μ F "
	C ₃₂₀	built in IFT _{F303}	1-121-282-11	C ₆₁₁	10 μ F 12V Electrolytic
	C ₃₂₁	built in IFT _{F304}	-282-11	C ₆₁₂	10 μ F 12V "
	C ₃₂₂	built in IFT _{F305}	-280-11	C ₆₁₃	5 μ F 12V "
1-101-955-11	C ₃₂₃	5pF Ceramic	-292-11	C ₆₁₄	100 μ F 12V "
-955-11	C ₃₂₄	5pF "	-322-11	C ₆₁₅	50 μ F 6V "
1-103-601-11	C ₃₂₅	100pF Styrol	1-101-951-11	C ₆₁₆	1pF Ceramic
1-101-952-11	C ₃₂₆	2pF Ceramic	1-103-608-11	C ₆₁₇	200pF Styrol
1-105-411-12	C ₃₂₇	0.01 μ F Mylar		C ₆₁₈	built in IFT _{F601}
-411-12	C ₃₂₈	0.01 μ F "		C ₆₁₉	built in IFT _{A601}
	C ₃₂₉	built in IFT _{F306}		C ₆₂₀	built in IFT _{F602}
	C ₃₃₀	built in IFT _{F307}		C ₆₂₁	built in IFT _{A602}
1-103-608-11	C ₃₃₁	200pF Styrol		C ₆₂₂	built in IFT _{F603}
-608-11	C ₃₃₂	200pF "		C ₆₂₃	built in IFT _{A603}
-608-11	C ₃₃₃	200pF "	1-121-322-11	C ₆₂₄	50 μ F 6V Electrolytic
1-121-282-11	C ₃₃₄	10 μ F 12V Electrolytic	-295-11	C ₆₂₅	200 μ F 6V "

* To be adjusted

Exploded Diagram



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