

parts list

TKN8199A Power Cable Kit PL-7636-O

REFERENCE SYMBOL	MOTOROLA PART NO.	DESCRIPTION
F1	65-10266 or 65-15270	fuse: 10 amp 6 amp
P359 P602	15-84192M01 15-10183A52	connector, plug: HOUSING, 6-contact HOUSING, 6-contact
mechanical parts		
	1-80737D31 14-82883A01 42-82884A01 29-82335A01 30-84396L02 37-134370 37-134371 9-82845L01 1-80737D32 9-84151B03 1-80737D33 14-82882A01 29-82336A01 41-82885A01 42-82884A01	assembly power cable, includes: CAP, fuse holder CLIP, fuse TERMINAL, male CABLE, 2-conductor TUBING, heatshrink; 3/4" (BLK) TUBING, heatshrink; 3/8" (BLK) CRIMP, connector ASSEMBLY, red wire and lug; includes: RECEPTACLE, single contact ASSEMBLY, red wire and lug; includes: BODY, fuseholder TERMINAL, male TERMINAL, fuseholder CLIP, fuseholder

TKN6948A Power Cable Kit PL-6084-O

REFERENCE SYMBOL	MOTOROLA PART NO.	DESCRIPTION
F602	65-86099	fuse, cartridge: 7.5 amp; 32 V, type 3AG, fast-blow
P601	15-83293K01 29-84706E05 30-10286A21	connector, plug: includes: INSULATOR, connector; 15-circuit TERMINAL, pin, male; 4 used WIRE, jumper; BLK
P602	15-10183A52 29-82335A01	includes: INSULATOR, connector; 6-circuit TERMINAL, pin, male; 4 used
W601	30-84396L01	cable, power: 2-conductor; (18 ga.); 120" used
XF602	14-82882A01 14-82883A01 41-82885A01 42-82884A01	fuseholder, in-line: includes: BODY, fuseholder CAP, fuseholder SPRING, compression CLIP, fuseholder; 2 used
non-referenced part		
	37-134371	TUBING, heatsink (BLK) 1" length; 2 used

TKN6949A Power Cable Kit PL-6085-A

REFERENCE SYMBOL	MOTOROLA PART NO.	DESCRIPTION
F603	65-4165	fuse, cartridge: " 15 amp; 35 V; fast-blow type
P601	15-83958L01 29-82335A01 29-84706E05 30-10286A21	connector, plug: includes: INSULATOR, connector; 17-circuit TERMINAL, pin, male; (large) 2 used TERMINAL, pin, male; (small) 6 used WIRE, jumper; BLK
P602	15-10183A52 29-82335A01	includes: INSULATOR, connector; 6-circuit TERMINAL, pin, male; 4 used
W601	30-84396L02	cable, power: 2-conductor; (14 ga.); 120" used
XF603	14-82882A01 14-82883A01 41-82885A01 42-82884A01	fuseholder, in-line: includes: BODY, fuseholder CAP, fuseholder SPRING, compression CLIP, fuseholder; 2 used
non-referenced part		
	37-134371	TUBING, heatsink (BLK) 1" length; 2 used

TRN6561A Power Supply Chassis PL-5362-G

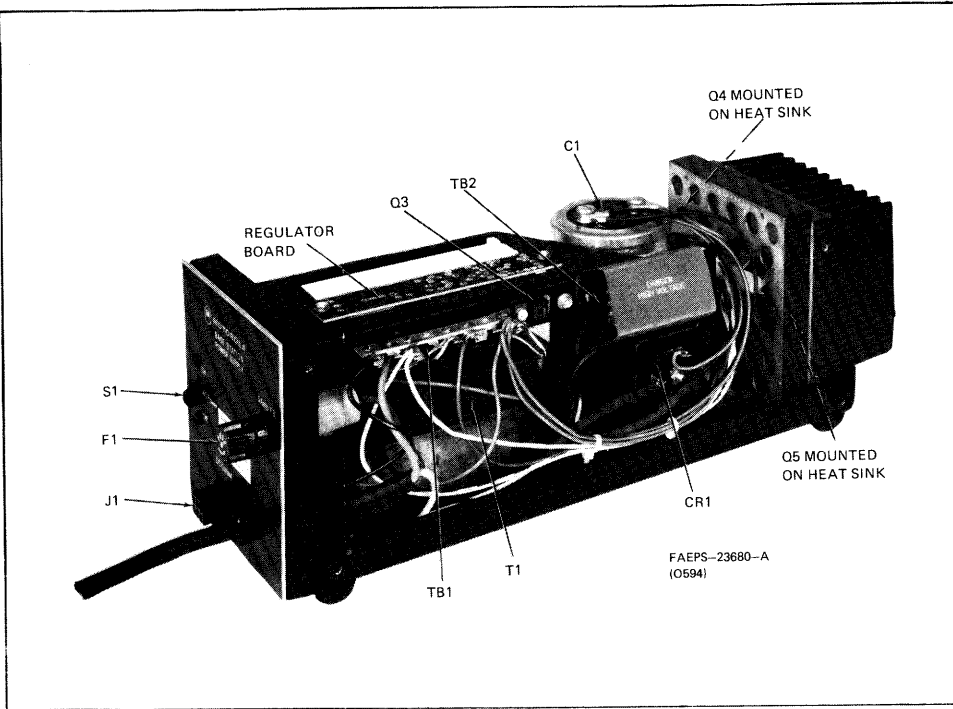
REFERENCE SYMBOL	MOTOROLA PART NO.	DESCRIPTION
C1	23-82464C10	capacitor, fixed: 25,000 uF + 75-10%; 40 V
CR1	48-84571H02	semiconductor device, diode: (see note) Bridge Rectifier Assembly, silicon
J1		connector, receptacle: includes: 15-10183A53 INSULATOR, 6-contact 29-82336A01 CONTACT, female, 2 req'd.
F1	65-52293	fuse, cartridge: fast-blow type; 5 A
P1	30-83212F01	line cord: includes: ac plug
Q3 Q4, 5	48-869807 48-869639	transistor (see note) PNP, type M9807 NPN, type M9639
S1	40-84241G04	resistor, fixed: 0.1 ± 10%; 7 W
R12, 13	17-82177B50	
T1	25-84638C02	transformer, power: pri. res. 4.9 ohms (240 volt configuration) sec. res. 0.035 ohms
TB1 TB2	31-121700 31-898341	terminal strip: 8 terminals, No. 2 & 7 mtg. 4 terminals, screw
XF1	9-82083C01	fuseholder: extractor post type
non-referenced items		
	37-134371	TUBING, heatshrink; BLK 1" length; 2 used
	1-80794B62 1-80745B56 29-824456 1-80794B63	HEAT SINK ASSEMBLY, includes: WIRE & LUG ASSEMBLY, includes: LUG, ring tongue TRANSISTOR & LUG ASSEMBLY, 2 req'd, includes: WASHER, insulator; 2 req'd. INSULATOR, transistor
	4-474216 14-865854 29-84489B01 2-7005 3-2977 4-7569	WASHER, insulator; 2 req'd. (used with Q4 & Q5) NUT, hex: 6-32 x 1/4 x 3/32"; 10 req'd. SCREW, machine: 6-32 x 1/8"; 4 req'd. WASHER, flat: .145 x .312 x .027"
	4-7650 4-84496C01 26-84923B06 29-5246 31-490181 1-80794B64 1-80745B56 29-824456 1-80745B58 29-824456 1-80745B60 29-824456 1-80745B61 29-824456 1-80795B10 29-812979 2-121841 3-134168 3-134268 3-138341 4-114057 4-821633 7-83095F02 14-83275L01 14-8268A01 14-84525G01 29-5261 29-5369	WASHER, lock: #6 (split); 2 req'd. WASHER, shoulder; 4 req'd. HEAT SINK LUG, soldering; #6; 2 req'd. TERMINAL STRIP; #1 mtg; 2 req'd. DIODE BRACKET ASSEMBLY, includes: WIRE & LUG ASSEMBLY, includes: LUG, ring tongue WIRE & LUG ASSEMBLY, includes: LUG, crimp terminal NUT, hex: 6-32 x 5/16 x 7/64"; 2 req'd. SCREW, tapping: 4-40 x 1/4"; 2 req'd. SCREW, tapping: 4-40 x 7/16"; 2 req'd. SCREW, machine: 6-32 x 5/8"; 2 req'd. WASHER, flat: .125 x .312 x .032" WASHER, shoulder BRACKET, circuit board INSULATOR, prot INSULATOR, transistor INSULATOR, transistor (T066 Base) LUG, soldering; 2 req'd. LUG, soldering

REFERENCE SYMBOL	MOTOROLA PART NO.	DESCRIPTION
	1-80794B65 15-83296L02 1-80794B66 1-80747B60 29-82336A01 9-10454A04 1-80747B61 29-82336A01 1-80794B67	HOUSING ASSEMBLY, includes: HOUSING COVER CHASSIS ASSEMBLY, includes: WIRE & LUG ASSEMBLY, includes: TERMINAL, female connector WIRE & LUG ASSEMBLY, includes: TERMINAL, female TRANSFORMER & LUG ASSEMBLY, includes: LUG, crimp terminal NUT, 8-32 x 1 1/32 NUT, hex: 4-40 x 3/16 x 3/32"; 2 req'd. SCREW, machine: 8-32 x 3/4" SCREW, machine: 6-32 x 3/8"; 3 req'd. SCREW, machine: 6-32 x 3/4" SCREW, tapping: 8-32 x 1/4"; 4 req'd. SCREW, machine: 4-40 x 5/16"; 2 req'd. SCREW, machine: 6-32 x 9/16"; 4 req'd. WASHER, lock: #6 (split); 4 req'd. WASHER, lock: #4 (split); 2 req'd. WASHER, insulator BRACKET ESCUTCHEON CHASSIS RETAINER, cable BUMPER, recessed SCREW, machine: 6-32 x 3/8"; 4 req'd. SCREW, tapping: 6-32 x 3/8"; 8 req'd. SCREW, tapping: 4-40 x 1/4"; 2 req'd. SCREW, tapping: 10-32 x 3/3"; 3 req'd. WASHER, lock #6 (split); 4 req'd. STRAP, cable harness; 3 req'd.

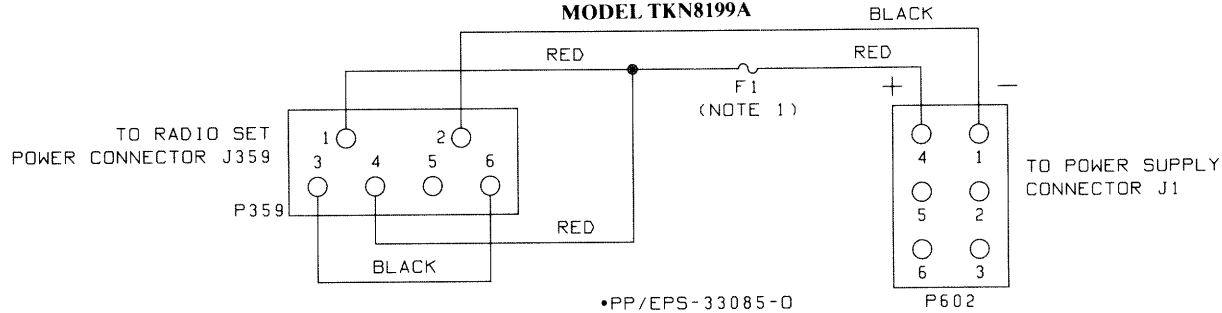
TLN5274B Regulator Board PL-5361-C

REFERENCE SYMBOL	MOTOROLA PART NO.	DESCRIPTION
C1	8-82905G02	capacitor, fixed; uF: ± 10%; 50 V; unless otherwise stated
C2	23-83908L01	.022
C3, 4	8-82905G02	.022
CR5	48-82392B03	semiconductor device, diode: (see note) silicon
Q1, 2	48-869642	transistor (see note) NPN; type M9642
R1	6-125A41	resistor, fixed: ± 5%; 1/2 W; unless otherwise stated
R2	6-125A53	470
R3	6-125A13	1.5k
R4	17-82177B40	33
R5, 6	6-126C41	200; 5 W
R7, 8	6-125A49	470 ± 10%; 1 W
R9, 10	6-125C73	1k
R11	6-125C51	10k ± 10% (note: Use is optional, determined at factory) 1.2k ± 10%
VR1	48-83696E01	semiconductor device, diode: (see note) silicon; Zener type: 6.8 V ± 5%

note: Replacement diodes and transistors must be ordered by listed part number only for optimum performance.



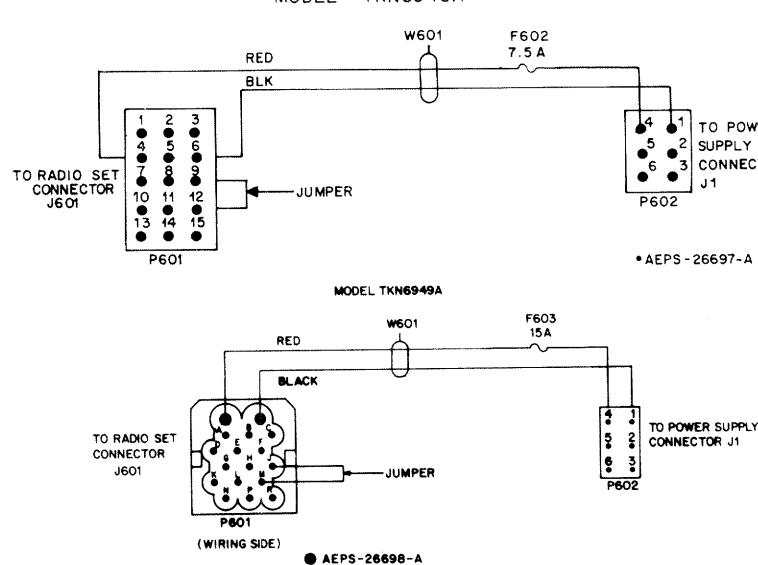
CABLE DETAILS
MODEL TKN8199A



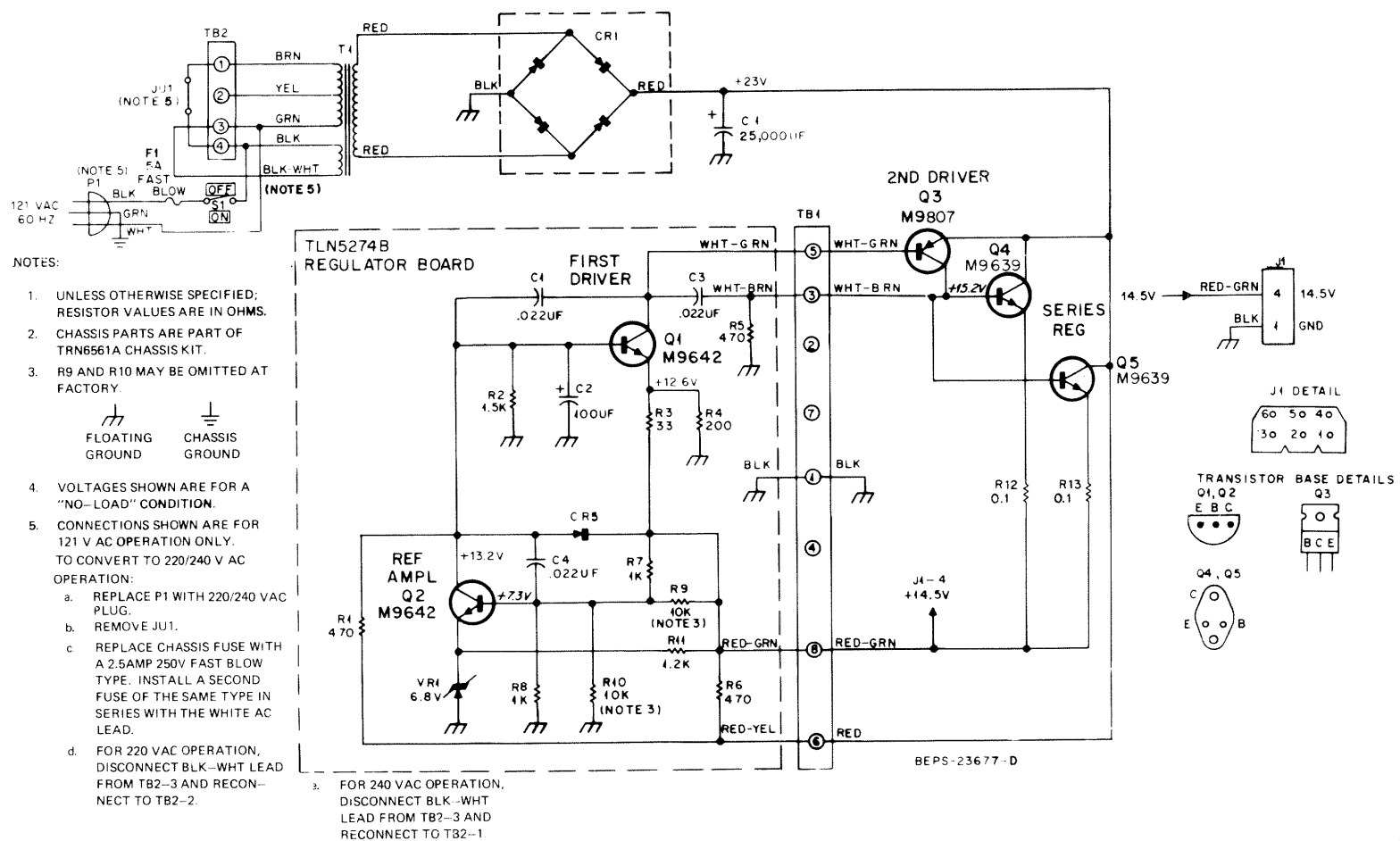
NOTES

1. F1 IS 5A IN 6/10W MODELS.
10A IN 25/30W MODELS.
2. CONNECTORS SHOWN FROM WIRE SIDE.

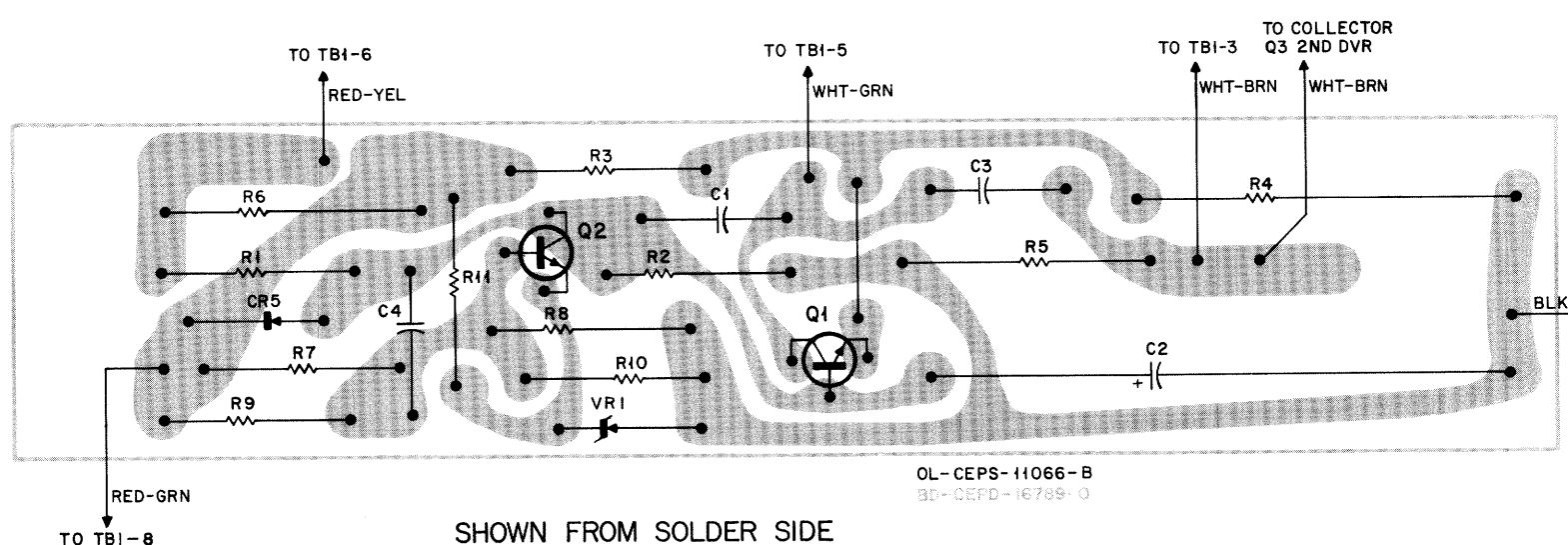
MODEL TKN6948A



TPN1154A POWER SUPPLY SCHEMATIC DIAGRAM



TLN5274B REGULATOR BOARD
BOARD DETAIL



SHOWN FROM SOLDER SIDE

BASE STATION POWER SUPPLY

MODEL TPN1154A

POWER CABLE

MODELS TKN6948A, TKN6949A
AND TKN8199A

FUNCTION

Provides the entire radio with regulated +14.5 V dc when used in a 121 V ac primary power fixed installation.

MODEL TABLE

MODEL	SUB-MODEL	DESCRIPTION
TPN1154A	TLN5274B	REGULATOR BOARD
	TRN6561A	POWER SUPPLY CHASSIS
TKN6949A		POWER CABLE (MAXAR 80)
TKN8199A		POWER CABLE (MCX100 or DVP MCX100)
TKN6948A		POWER CABLE (MAXAR)

68P81034E36-N

3/15/83- PHH

END OF DOCUMENT