

parts list

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		connector, plug: includes: 15-83293K01 INSULATOR, connector; 15-circuit 29-84706E05 TERMINAL, pin; male; 4 used 30-10286A21 WIRE, jumper; BLK	
P602		includes: 15-10183A52 INSULATOR, connector; 6-circuit 29-82335A01 TERMINAL, pin; male; 4 used	
W601	30-84396L01	cable, power: 2-conductor; (18 ga.); 120" used	
XF602		fuseholder, in-line: includes: 14-82882A01 BODY, fuseholder 14-82883A01 CAP, fuseholder 41-82885A01 SPRING, compression 42-82884A01 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		connector, plug: includes: 15-83958L01 INSULATOR, connector; 17-circuit 29-82335A01 TERMINAL, pin; male; (large) 2 used 29-84706E05 TERMINAL, pin; male; (small) 6 used 30-10286A21 WIRE, jumper; BLK	
P602		includes: 15-10183A52 INSULATOR, connector; 6-circuit 29-82335A01 TERMINAL, pin; male; 4 used	
W601	30-84396L02	cable, power: 2-conductor; (14 ga.); 120" used	
XF603		fuseholder, in-line: includes: 14-82882A01 BODY, fuseholder 14-82883A01 CAP, fuseholder 41-82885A01 SPRING, compression 42-82884A01 CLIP, fuseholder; 2 used	
non-referenced part			
37-134371		TUBING, heatsink (BLK) 1" length; 2 used	

TLN5274B Regulator Board			PL-5361-C
REFERENCE SYMBOL	MOTOROLA PART NO.	DESCRIPTION	
C1	8-82905G02	capacitor, fixed; uF: $\pm 10\%$; 50 V: unless otherwise stated .022	
C2	23-83908L01	100 $\pm 75-10\%$; 25 V .022	
C3, 4	8-82905G02		
CR5	48-82392B03	semiconductor device, diode (see note) silicon	
Q1, 2	48-869642	transistor (see note) NPN; type M9642	
R1	6-125A41	resistor, fixed: $\pm 5\%$; 1/2 W: unless otherwise stated 470	
R2	6-125A53	1.5k	
R3	6-125A13	33	
R4	17-82177B40	200; 5 W	
R5, 6	6-126C41	470 $\pm 10\%$; 1 W	
R7, 8	6-125A49	1k	
R9, 10	6-125C73	10k $\pm 10\%$ (note: Use is optional, determined at factory)	
R11	6-125C51	1.2k $\pm 10\%$	
VR1	48-83696E01	semiconductor device, diode (see note) silicon; Zener type; 6.8 V $\pm 5\%$	

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

parts list

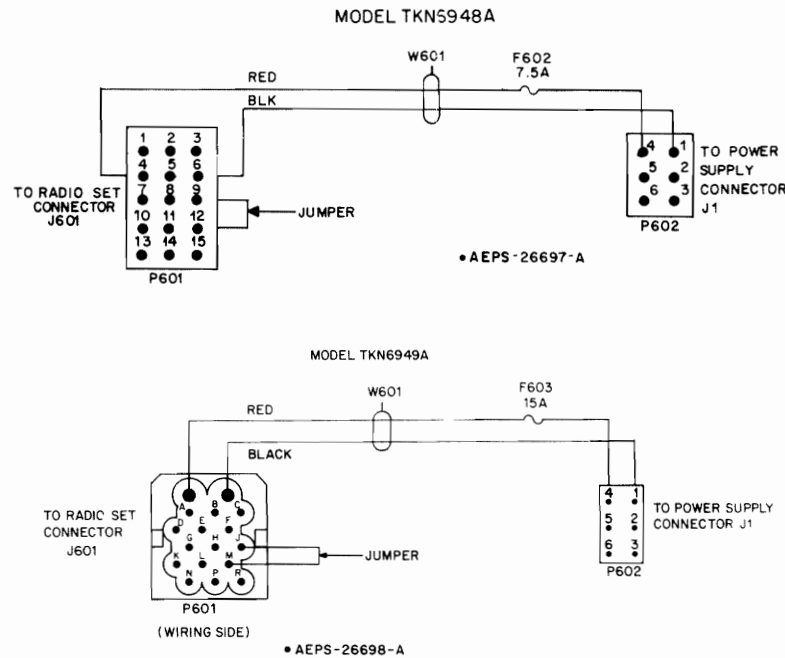
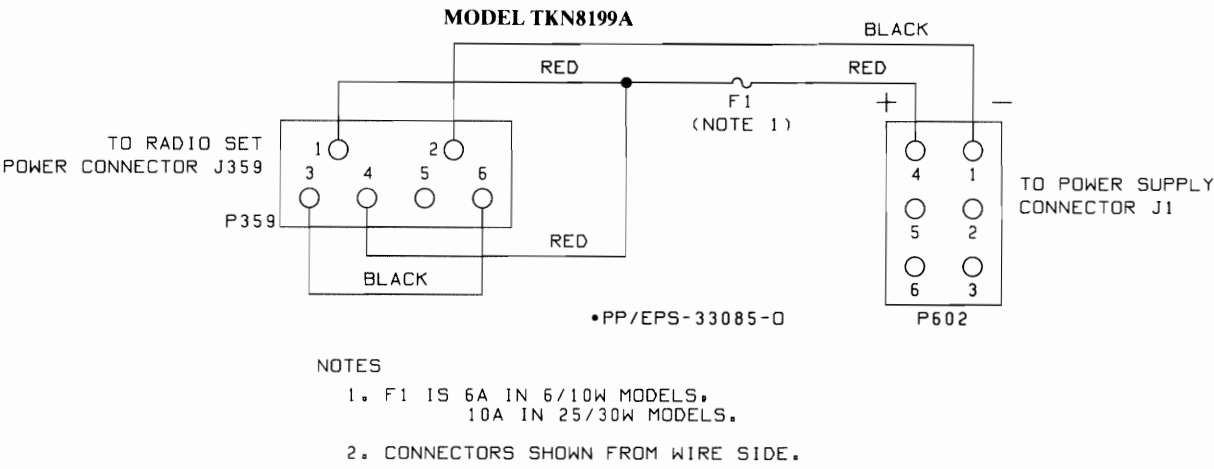
TRN6282A Power Supply Chassis			PL-3349-I
REFERENCE SYMBOL	MOTOROLA PART NO.	DESCRIPTION	
C1	23-82464C08	capacitor, fixed: 11,000 uF + 75-10%; 35 V	
CR1	48-84571H02	semiconductor device, diode (see note) Bridge Rectifier Assembly; silicon	
J1		connector, receptacle: includes: 15-10183A53 INSULATOR, 6-contact 29-82336A01 CONTACT, female; 4 req'd. (p/o Model TLN5219A)	
F1	65-42092	fuse, cartridge: fast-blow type; 2A	
P1	30-83212F01	line cord: includes: ac plug	
Q3	48-869807	transistor (see note) PNP; type M9807	
Q4	48-869639	NPN; type M9639	
S1	40-84241G04	switch, slide: dpst	
T1	25-83594E02	transformer, power: pri. res. 2.75 ohms sec. res. 0.11 ohm	
TB1	31-121700	terminal strip: 8-terminals: no. 2 & 7 mtg.	
XF1	9-82083C01	fuseholder: extractor post type	
non-referenced items			
1-80745B56		WIRE & LUG ASSEMBLY, includes:	
29-824456		LUG, ring tongue	
3-2977		SCREW, machine: 6-32 x 1-1/8"; 4 req'd.	
4-7569		WASHER, flat: 145 x .312 x .027"; 4 req'd.	
4-7650		WASHER, lock: #6 (split); 2 req'd.	
4-84496C01		WASHER, shoulder; 4 req'd.	
26-84923B06		HEATSINK	
29-5248		LUG, soldering: #6; 2 req'd.	
1-80745B57		DIODE BRACKET ASSEMBLY includes:	
1-80745B56		WIRE & LUG ASSEMBLY includes:	
29-824456		LUG, ring tongue	
1-80745B58		WIRE & LUG ASSEMBLY, includes:	
29-824456		LUG, ring tongue	
1-80745B60		WIRE & LUG ASSEMBLY, includes:	
29-824456		LUG, ring tongue	
1-80745B61		WIRE & LUG ASSEMBLY, includes:	
29-824456		LUG, ring tongue	
3-134168		SCREW, tapping: 4-40 x 1/4"; 2 req'd.	
3-134268		SCREW, tapping: 4-40 x 7/16"; 2 req'd.	
4-114057		WASHER, flat: 125 x .312 x .032"	
7-83095F02		BRACKET, circuit board	
14-84268A01		INSULATOR, transistor: 520 x .660"	
14-84525G01		INSULATOR, transistor (TO66 base)	
29-5261		LUG, soldering: #6; 2 req'd.	
29-5369		LUG, soldering: #4	
1-80745B88		HOUSING ASSEMBLY, includes:	
13-868710		DECAL, patent	
15-83098F02		HOUSING	
1-80778B37		CHASSIS ASSEMBLY, includes:	
1-80747B60		WIRE & LUG ASSEMBLY, includes:	
29-82336A01		CONTACT, female	
1-80747B61		WIRE & LUG ASSEMBLY, includes:	
29-82336A01		CONTACT, female	
1-80747B62		WIRE & LUG ASSEMBLY, includes:	
29-82336A01		CONTACT, female	
1-80747B63		WIRE & LUG ASSEMBLY, includes:	
29-82336A01		CONTACT, female	
2-1355		NUT, hex: 8-32 x 5/16 x 1/8"; 4 req'd.	
2-7005		NUT, hex: 8-32 x 1/4 x 3/32"; 14 req'd.	
2-9627		NUT, hex: 4-40 x 3/16 x 3/32"; 2 req'd.	
2-119913		NUT, 8-32 x 11/32"	
3-2979		SCREW, machine: 6-32 x 3/8"; 7 req'd.	
3-7312		SCREW, machine: 8-32 x 3/4"	
3-7346		SCREW, machine: 6-32 x 3/4"	
3-139085		SCREW, machine: 4-40 x 5/16"; 2 req'd.	

REFERENCE SYMBOL	MOTOROLA PART NO.	DESCRIPTION	
3-490773		SCREW, machine: 6-32 x 9/16"; 4 req'd.	
4-2645		WASHER, lock: #6 (split); 12 req'd.	
4-9748		WASHER, lock: #8 (split); 4 req'd.	
4-114583		WASHER, lock: #4 (split); 2 req'd.	
4-82418B88		WASHER, insulator: 125 x .250 x .010"; 2 req'd.	
13-84639D04		ESCUTCHEON	
27-83252N01		CHASSIS	
42-82018H01		RETAINER, cable	
42-83415C01		CLIP, capacitor mounting	
43-82599M01		SPACER, 4 req'd.	
75-84215A02		BUMPER, recessed: 4 req'd.	
3-139854		SCREW, tapping: 6-32 x 3/8"; 6 req'd.	
3-134168		SCREW, tapping: 4-40 x 1/4"; 2 req'd.	
3-139138		SCREW, tapping: 10-32 x 3/8"; 3 req'd.	
33-84035E05		NAMEPLATE, model number	
42-10217A02		STRAP, cable harness; 3 req'd.	
54-84547M01		LABEL, warning	
9-10454A04		CONN. (YELLOW)	

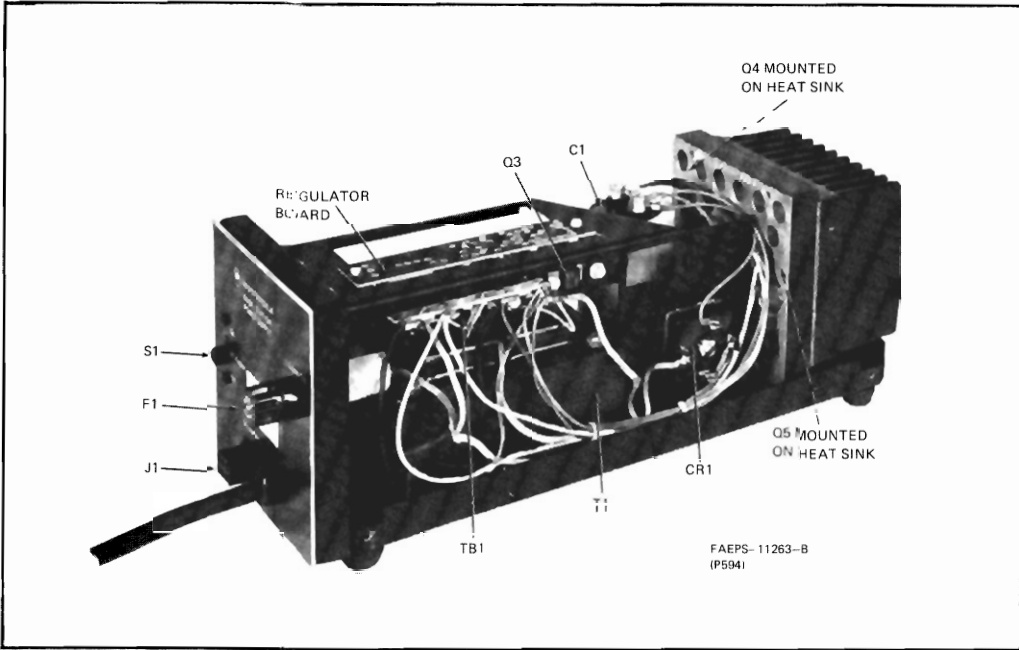
note: Replacement diodes and transistors must be ordered by listed part number only for optimum performance.

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	15-84192M01	connector, plug: HOUSING, 6-contact	
P602	15-10183A52	HOUSING, 6-contact	
mechanical parts			
1-80737D31		assembly power cable; includes:	
14-82883A01		CAP, fuse holder	
42-82884A01		CLIP, fuse	
29-82335A01		TERMINAL, male	
30-84396L02		CABLE, 2-conductor	
37-134370		TUBING, heatshrink; 3/4" (BLK)	
37-134371		TUBING, heatshrink; 3/8" (BLK)	
9-82845L01		CRIMP, connector	
1-80737D32		ASSEMBLY, red wire and lug; includes:	
9-84151B03		RECEPTACLE, single contact	
1-80737D33		ASSEMBLY, red wire and lug; includes:	
14-82882A01		BODY, fuseholder	
29-82335A01		TERMINAL, male	
41-82885A01		TERMINAL, fuseholder	
42-82884A01		CLIP, fuseholder	

CABLE DETAILS



PARTS LOCATION



BASE STATION POWER SUPPLY

MODEL TPN1136A

POWER CABLES

MODELS TKN6948A, TKN6949A, AND TKN8199A

MODEL TABLE

Model	Sub-Model	Description
TPN1136A	TLN5274B	Regulator Board
	TRN6282A	Power Supply Chassis
TKN6948A		Power Cable (<i>Maxar</i>)
TKN6949A		Power Cable (<i>Maxar-80</i>)
TKN8199A		Power Cable (<i>MCX100</i>)

FUNCTION

Provides the entire radio with regulated +14.5 V dc when used in a 120 V ac primary power fixed installation.

