



76983-6 76983-5 140618

PRINTED CIRCUIT BOARD ASSEMBLY
POWER AMPLIFIER

PART NO. 142315 (2 Required)

R21 - 4.7 K
R26 " " REMOVE

REMOVE

RESISTORS			
ITEM NO.	PART NO.	VALUE	
R1 and 2	77317-255	10 K	1/4W 5%
R3 and 32	77311-255	5.6 K	1/4W 5%
R4	77277-255	220 OHM	1/4W 5%
R5	77289-255	680 OHM	1/4W 5%
R6, 7, 11, 14 and 15	77269-255	100 OHM	1/4W 5%
R8	77301-255	2.2 K	1/4W 5%
R9 and 12	77300-255	2 K	1/4W 5%
R10	77327-255	27 K	1/4W 5%
R13	77273-255	150 OHM	1/4W 5%
R16	74484-31	2.2 OHM	2W 5%
R17 and 18	74468-31	.47 OHM	2W 5%
R19, 20, 27, 28, 29 and 30	77281-255	330 OHM	1/4W 5%
R22 and 25	77299-255	1.8 K	1/4W 5%
R23 and 24	77306-255	3.6 K	1/4W 5%
R31	74508-31	22 OHM	2W 5%
VR1	136517	1 K	BIAS CONTROL
Opt.	140781	1 K	
CAPACITORS			
C1	76945	2.2 MFD	25V
C2 and 7	76416-151	560 PFD	DISC
C3	70526-146	47 PFD	DISC
C4	76435-153	100 PFD	DISC
C5	76951-2	47 MFD	25V
C6	77393-33	.05 MFD	DISC
C8	76421-153	390 PFD	DISC
C9, 10 and 11	76195-115	.1 MFD	100V
JUMPERS			
J1 and 2	112730	Wire Formed	
COIL			
L1	140628	Coil	

TRANSISTORS		
ITEM NO.	PART NO.	TYPE
Q1 and 2	142346	NPN-Silicon
Opt.	140622	NPN-Silicon
Q3 and 11	142347	PNP-Silicon-Planar
Opt.	140623	PNP-Silicon-Planar
Q4	138789-1	NPN-Silicon
Q5 and 10	142348	NPN-Silicon-Planar
Opt.	140624	NPN-Silicon-Planar
Q6	140626	PNP -Silicon-Power NPN
Q7	140625	PNP-Silicon-Power
Q12	131262	PNP-Silicon-Planar
Q13	138789-3	NPN-Silicon
ZENNER DIODE		
Z1 (2) and (3)	140627	400 MW Silicon

REMOVE

PARTS LIST	
PART NO.	NAME
140618	Printed Circuit Board
76983-6	Wafer Connector
76983-5	Wafer Connector
136853	Nut, 4-40
76719-23	Screw, 4-40 x 1/4 Truss HD.

REMAINING AMPLIFIER COMPONENTS			
RESISTORS			
ITEM NO.	PART NO.	VALUE	
R22	77295-251	1.2 K	1/4W 5%
R23	77327-255	27 K	1/4W 5%
VR2	125700	100 K	Control-Loudness
CAPACITORS			
C17	76621	2000 MFD	50V
C18	76620	3000 MFD	55V
C19	76912	3000 MFD	55V
C27	76411-341	820 PFD	DISC
DIODES			
ITEM NO.	PART NO.	TYPE	
D1, 2, 3 and 4	71588-21	Rectifier, Silicon, 3A	
Opt.	71588-22	Rectifier, Silicon, 3A	
FUSES			
F3 and 4	71590-27	5 Amp	
F5 and 6	71591-13	1.25 Amp Slo Blo	
SWITCHES			
S5	116723	S.P.D.T.	
S6	62886	D.P.D.T.	
TRANSISTORS			
Q8 (2) and Q9 (2)	140612 E.C.G. 151	Power Output - Silicon NPN	
PART NO.	NAME		
76984-12	Connector		
139139	Terminal		
140491	Polarizing Pin		
76980-15	Spacer, P.C. Board (4)		
76980-5	Spacer, P.C. Board (4)		