140A/180A FIELD SERVICE ALIGNMENT PROCEDURE

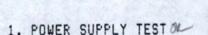
EQUIPMENT REQUIRED : Oscillator

Voltmeter

KROHN HITE 4200 or Equivalent SIMPSON 464 or Equivalent Oscilloscope PHILIPS PM 3232 or Equivalent

Distortion Meter SOUND TECHNOLOGY 1700B

Capable of measuring THD to less than 0.02%



Connect unit to ac source and check for :

+20V dc +/-1.0V at TP5

+15V dc +/-750mV at TP6

-20V dc +/-1.0V at TP7

-15U dr +/-750mV at TP8

2. FRONT PANEL ALIGNMENT OF

Connect a dc Voltmeter to the wiper of the RECORD CH1/CH2 POT (R11) and

adjust it for OV dc +/-25mV

Connect a dc Voltmeter to the wiper of the PLAY CH1 POT (R50) and

adjust it for OV dc +/-25mV

Connect a dc Voltmeter to the wiper of the PLAY CH2 POT (R150) and

adjust it for OV dc +/-25mV

Engage both CH1 and CH2 NOISE REDUCTION switches

3. ALIGNMENT PROCEDURE ABBREVIATIONS

FCO : From Console Outputs

TCI : To Console Inputs

FRO : From Recorder Outputs

TRI : To Recorder Inputs

4. RMS SYMMETRY ALIGNMENT

Set Oscillator to OdBV (1.0V rms) at 60Hz.

Connect Oscillator to both CH1 and CH2 "FCO" terminals.

Connect Oscilloscope to TP1.

Adjust R34 for even RMS Waveform Peaks. (SEE DIAGRAM A)

Connect Oscilloscope to TP3.

Adjust R134 for even RMS Waveform Peaks.

Connect Oscillator to both CH1 and CH2 "FR0" terminals.

Connect Oscilloscope to TP2.

Adjust R71 for even RMS Waveform Peaks.

Connect Oscilloscope to TP4.

Adjust R171 for even RMS Waveform Peaks.

low browney distortron deterrorate from

WHZ to 30 HZ.

Bast strategy is to hook encoder & decoder back to back minima w Hz tho

If You Didn't Get This From My Site, Then It Was Stolen From ...

best strategy

buck to back

LKAZ THO.

and tun for

monthe

5. VCA SYMMETRY ALIGNMENT Set Oscillator to OdBV (1.0V rms) at 1KHz.

Connect Oscillator to both CH1 and CH2 "FCO" terminals.
Connect Distortion Meter to the CH1 "TRI" terminal.
Adjust R16 for minimum Total Harmonic Distortion. (THD) Less than 0.1%
Connect Distortion Meter to the CH2 "TRI" terminal.
Adjust R116 for minimum THD. Less than 0.1%

Connect Oscillator to both CH1 and CH2 "FR0" terminals. Connect Distortion Meter to the CH1 "TCI" terminal. Adjust R49 for minimum THD. Less than 0.1% Connect Distortion Meter to the CH2 "TCI" terminal. Adjust R149 for minimum THD. Less than 0.1%

6. UNITY GAIN ALIGNMENT
Set Oscillator to OdBV (1.0V rms) at 1KHz.

Connect Oscillator to both CH1 and CH2 "FCO" terminals
Connect a RMS Voltmeter to the CH1 "TRI" terminal.

Adjust the front panel RECORD CH1/CH2 POT (R11) for a OdBV output level.
Connect a RMS Voltmeter to the CH2 "TRI" terminal.

Adjust R111 for a OdBV output level.

Connect Oscillator to both CH1 and CH2 "FR0" terminals.

Connect a RMS Voltmeter to the CH1 "TCI" terminal.

Adjust the front panel PLAY CH1 POT (R50) for a CdBV output level.

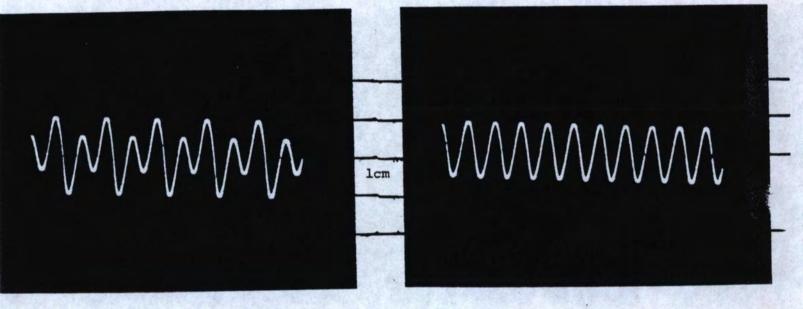
Connect a RMS Voltmeter to the CH2 "TCI" terminal.

Adjust the front panel PLAY CH2 POT (R150) for OdBV output level.

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UNCALIBRATED RMS WAVEFORM

PROPERLY CALIBRATED RMS WAVEFORM



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			ō	RELEASED	-	18/61/01	P
			20	PER ECO # 877	H	1/13/85	かれ
			03	PER ECO 955	EW	3/52/82	な
∞ 440020	FINAL PHANTOM AS	ASSY					
440019	TRANSFORMER PHANTOM ASSY	NNTOM ASSY					
440017	REAR PANEL PHANTOM	TOM ASSY			APR 2 9 1987	1987	
△ 44∞16	FRONT PANEL PHA	PHANTOM ASSY					
				3	140A(DO)	USED	NO Q
REFEREI	REFERENCE DRAWINGS	APPROVAL	REV.	2 3 4 5 6 7 8	9 10 11	1 12 13	3 14 15
DWG. NO.	DESCRIPTION	DATE FINAL	70	OX inc. NEWTON MA	02195		
D400095	MAIN ASS'Y	A 185 - 184 A					
		PROJ BAG		MAIN ASSEN	ASSEMBLY - 140A		
		-	P	400095			REV.
		OFT MORE PRESENTED 1/2 y		STEAM POWERED RADIO.COM		SHT. 1	OF 3
			1000	The second secon	The second second second		

rem	REF. DESIGNATION	DESCRIPTION	PART NUMBER	QTY	
12		CONNECTOR INSULATED	680082	2	
22		TERMINAL STRIP, IZ POSITION	280233	2	0
23		DIODE, XC-4850-G, GREEN WITH TABS	140141	2	
54		LED HOLDER 2 PIECE	310365	2	4
25		CABLE TIE	310124	AIR	
26		FOAM TAPE 1/8" THK X 16" LG.	310683	4	
7.2		UL CAUTION LABEL	210168	2	8
28					
62		SCREW, MACH. PAN HD # 6-32 x 1/2 LG.	311045	2	0
30					
<u></u> 8		WASHER FLAT # 6	311608	2	0
38					
33		GROMMET RUBBER 18 1.D., 3/16 O.D.	310625	2	0
8					
38					
36					
37					
38					
39					
40					
PL	400095	STEAM POWERED RADIO.COM	Mo		

SHEET 3 OF 3

REV.

PL 400095

USED ON 140A(DO)

MAIN ASSEMBLY

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TURE OR SALE OF	APPARATUS WITHOUT EXPRESS	SHALL NOT BE REPRODUCED, COPIED OR USED AS THE BASIS FOR MANUFACTURE OR SALE OF APPARATUS WITHOUT EXPRESSLY WRITTEN AUTHORIZATION.	REV. DESCRIPTION	DATE' APP'I
			OS PER ECO # 877	100
			06 PER ECO # 909	18 28/61/E
			•	APR 2 8 1987
			140A(EU) 140A (DO)	OA(DO) USED ON
REFERENCE	NCE DRAWINGS	APPROVAL	REV. 05 05 06 06 05 05 SHT 2 3 4 5 6 7 8	9 10 11 12 13 14 1
CIZ	NOITGIGOSSION	FINAL DATE		
OMG. NO.	DESCENIE TO SE	147, X 1/2/	CONTROL NEWTON,MA. 02195	12195
0340390	SCHEMATIC	04000	SIMULTANEOUS	S
C460250	P.C ASSY	758	NOISE REDUCTION TYPE II	NOI
		ON DES ON DES IN INC.	PL 360250	REV.
		8,	STEAM POWERED RADIO.COM	SHT. 1 OF 7

]
			PART #070029 STEAM POWERED RADIO.COM	1 1	ā
250	4	054510	51 , 1/4W, 5%	R14,47,	20
	4	014759	47RS, 14W, 1%	R13, 52, 113, 152	61
	4	016981	RESISTOR, 6K98, 14W, 1%	R12, 51, 112, 151	-8
	m	010286 *	-	R11, 50, 150	17
1				R110,121,123,126,145,158,160,163	9-
	9	013322	33K2, 14W, 1%	R10,21,23,26,45,58,60,63,	-5
-				R146,159	4-
	0	011002	10 K, 1/4 W, 1%	R9, 22, 46, 59, 109, 122,	13
1	2	011213	121 K, 1/4W, 1%	R8, 108	12
	7	013572	35K7, 14W, 1%	R7, 107	=
1				R141, 144	0
	00	012322	23K2, 14W, 1%	R3, 6, 41, 44, 103, 106,	6
				R140,143	80
	8	013012	30KI, 14W, 1%	R2, 5, 40, 43, 102, 105,	7
				R139, 142	9
	0	100110	RESISTOR, IK, 14W, 1%	RI, 4, 39, 42, 101, 104,	5
					4
					9
9					2
	-	260458	P.C BOARD		-
	QTY	PART NUMBER	DESCRIPTION	REF. DESIGNATION	TEM
SHEE I	SH S	SO REV.	ON 140A (EU), (DO) PL 360250	SIMULTANEOUS NOI SE REDUCTION	^s qp

P	DX Inc. SI MULTANEOUS	TION USED ON PL 360250	150 REV .	SHEET 30F7
LEM	REF. DESIGNATION	DESCRIPTION	PART NUMBER	ату .
12	RIS,48,115,148	RESISTOR, 180K, 14W, 5%	054184	4
22	RIG, 34, 49, 71, 116, 134	POT TRIM SOK, HORIZONTAL MOUNT	070068	8
23	R149,171			
24	RI7, 55, 117, 155	RESISTOR, 3K9 , 14W, 5%	054392	4
25	RIB, 54, 118, 154	10K, 14W, 5%	054103	4
26	R19, 56, 119, 156	33K, 1/4W, 5%	054333	4
27	R20, 57, 120, 157	39, 14W, 5%	054390	4
28				
59	R24, 61, 124, 161	90K9, 14W, 1%	019092	4
30	R25, 62, 125, 162	4K75, 14W, 1%	014751	4
31				
32	R27, 64, 127, 164	GKB1, 14W, 1%	016811	4
33	R28, 65,128,165	165 K, 14W, 1%	011653	4
34	R29, 66, 129, 166	13K7, 14W, 1%	011372	4
35	R30, 67, 130, 167	22 M , 14 W, 5%	054226	4
36	R31, 68, 131, 168	20, 14W, 5%	054500	4
37	R32, 69, 132, 169	39 K, 1/4W, 5%	054393	4
38	R33, 70,76,133,170	20K, 14W, 5%	054203	5
39	R35,72,135,172	1 K, 1/4W, 5%	054102	4
40	R36,73,136,173	604 K, 14W, 1%	016043	4

STEAM POWERED RADIO.COM

dbx inc.	SIMULTANEOUS NOISE REDUCTION	15N USED ON 160), (PO) PL 360250	.50 REV.	SHEET 4 OF 7
TEM	REF. DESIGNATION	DESCRIPTION	PART NUMBER	αту
14	R37,74,137,174	RESISTOR, 10, 14W, 5%	054100	4
42	R38,75,138,175	SELECT RESISTOR, 2MZ, NOM.	SELECT PER 168002	4
43	R 53, 153	RESISTOR, 20K, 14W, 1%	012002	2
44	R78 - R100	NOT USED		
45	R176	RESISTOR, 2K4, 14W, 5%	054242	-
46	R77,177	RESISTOR, 1KB, 1/4W, 5%	054182	2
47	RIII	POT, TRIM, SK, HORIZ. MOUNT	070143	-
48				
49				
50				
15	C1,2,15,16,28,29,41,	CAPACITOR, 100P, CD, SZL 15%	121259	41
52	C101,102,115,116,128,129,141)			
53	(3, 6, 30, 33, 103,	220 P , PP ±5%MAX	125126	2
54	CIO6, 130, 133			
55	C4,7,31,34,104,107,	33 P , CD, NPO ±5%	121175	80
56	CI31, 134			
15	C5,10,14,22,27,32,38,40,	150V, RAD, EL ±20%	127084	22
58	C48,53,105,110,114,122,127,			
65	C132,138,140,148,153,178,179	\		
09				
PL	360250	STEAM POWERED RADIO.COM		

SIMULTANEOUS NOI SE REDUCTION		USED ON PL 360250	SEV.	SHEET 5 OF 7
REF. DESIGNATION		DESCRIPTION	PART NUMBER	OTY .
C11, 42, 111, 142	CAPACIT	TOR, ION, MY ±5%	123025	4
C12, 35, 112, 135		300N, MY, ±5%	961821	4
213,25,37,51,113,125	1	IN', CD, Y5E, ±20%	121432	8
C137, 151				
C8,9,17,18,43,44,	_	100N , MY ±5%	123149	12
C108,109, 117, 118, 143, 144	(
C19, 20, 45, 46, 119, 120	1	3N3, MY ±5%	123350	8
C145, 146				
C21,47,121,147		330P, PP 12.5%	125173	4
C23, 49, 123, 149		ZZN, MY ±5%	123050	4
C26, 52, 126, 152		10 , RAD, EL	SELECT PER 166005	4
C36,136		200P , PP ±2.5%	125121	2
C39, C54 - C100		NOT USED		
C139, C154 -C165, 171,		NOT USED		
C166,167,172,173,176,177		10N, CD, YSE ±20%	121533	9
C168,169		1000/35 V, RAD, EL +50%	127523	2

TEM

STEAM POWERED RADIO.COM







± 2.5%

PP,

2NZ,

C24,50,124,150

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C174, 175

N

10/25V, RAD, EL +50%

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66	100
	66
98 TZ, 3, 4, 5 NOT USED CUSTOMER OPTION, JENSEN JE-123-5 4	96
6.0	16
96	96
96	36
94 OAZ, 4, 6,8 OP, AMP NE 5532 4	94
93 0A1, 3, 5, 7 OP, AMP LF353 146241 4	66
92	95
16	16
	96
39 ICI, 3, 5, 7 IC, LOW DISTORTION 146732 4	89
38	88
ST LEAD CONNECTOR, LED 310472 2	87
98	86
CR5,	85
4 CRI, 2, 3, 4 DIODE, IN4003GP 140022 4	2
29	83
52	82
	18
EM REF. DESIGNATION DESCRIPTION PART NUMBER OTY	TEM
SIMULTANEOUS USED ON PL 360250 REV. SHEET I40A (EU),(DO) PL 360250 C 60F7	유

						1	1		1											
7 OF 7	αТУ	-	-	-	-			a		<u>e</u>	2	2	a	4	4	4	2	N		
250 REV.	PART NUMBER	146366	146356	146367	146355			250053		110085	320231	320232	510450	311024	311664	311642	310443	310417		日本に 一日本の一日本の一日本の一日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日
US USED ON PL 360250	DESCRIPTION	VOLTAGE REG. 7815CU	v 7805CU	UJ 5167 ~	~ 7905cU			SWITCH BPDT		JUMPER, ZERO-OHM	JUMPER, TWISTED PAIR	WIRE-WRAP WIRE, 24 AWG, 4.75 LG	HEAT SINK, TALL	SCREW PAN HD X-REC 4-40 × 5/16 LG.	HEX NUT 4-40	WASHER, INT TOOTH #4	WASHER, NYLON, SHOULDER	INSULATOR		
SIMULTANEOUS NOI SE REDUCTION	REF. DESIGNATION	VRI	VRZ	VR3	VR4			51,52		イーイヨ										
(P	TEM	0	201	103	104	105	106	101	108	8	110	=	211	113	114	115	116	117	811	

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4-40 × 18 LG.

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STEAM POWERED RADIO.COM

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NAME OR SALE OF APP	OR SALE OF APPARATUS WITHOUT EXPRESS	DOPRESSLY WRITTEN AUTHORIZATION	REV.	DESCRIPTION	DATE	APP'D
			ō			4
			20	PER ECO # 876 HL		
			60	PER ECO 955 EK	9/25/85	2x
₩ 440020 FII	FINAL PHANTOM A	ASSY				
7 440019 TR	TRANSFORMER PHANTOM	ANTOM ASSY				
2 440022 RE	REAR PANEL PHANTOM	TOM ASSY		APR 2 9 1987	1987	
2 440021 FF	FRONT PANEL PHA	PHANTOM ASSY				
				(pd) ROA(po)) USED	NO Q
REFERENCE	E DRAWINGS	APPROVAL	REV.	03 03 4 5 6 7 8 9 10 11	12	13 14 15
ON OWO	NOITGIGOSAG	PRELIM DATE FINAL DATE				
	DESCRIP LION	May Comment	0	OX inc NEWTON,MA. 02195		
3400106 M	MAIN ASS'Y	187				
		MOJ BUS MOJ BUS 184		MAIN ASSEMBLY MODEL 180A		
			7	400106		REV.
		9	STEAM F	STEAM POWERED RADIO.COM	SHT. 1	OF 3
		Control of the Contro				

-			COO TO. C	710	
Σ	REF. DESIGNATION	DESCRIPTION	PARI NUMBER OIT	5	1
		P.C. ASSEMBLY	460400	-	
8				-	1
1		EXTRUSION FRONT	601062	-	11
1,0		OVERLAY FRONT	210239	-	1
1.		EXTRUSION REAR	290710	-	
1			290714	-	
		BRACKET RACK MOUNT SIDE	290412	0-	8-
0		R "870 30" CEO 71	290411	2	18
6		COVER, 16.43/ X 3.360 , 100 - 1			1
0					1
-		SCREW, PHMS, X-REC, 4-40 × 1/4	311023	9	-
- 0			311642	0	
1					
n		S/5 X 5/8 # (2-37 × 5/8)	311046	4	0
4		a a	311643	Пи	04
2		1 1	311665	Du	04
9		TABBIT T	310100	4	18
7		SCREW, IATTING CONSEGUED CON	210,200	0	4
18		BUTTON SWITCH, CHROME	20000	1	1
)					

POWER

TRANSFORMER,

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STEAM POWERED RADIO.COM

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PL 400100

180A(DO)

MAIN ASSEMBLY

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	100		-		
TEM	REF. DESIGNATION	DESCRIPTION	PART NUMBER	OTY	
10		CONNECTOR INSULATED	680082	2	
22		TERMINAL STRIP, 12 POSITION	280233	2	D
22		DIODE, XC-4850-G, GREEN WITH TABS	140141	2	
Co		-1 4	310365	2	1
2 24		E TIE	310124	AIR	
3 8		12	310683	4	
2 0		UL CAUTION LABEL	210168	2	81
١٥					
2 0		SCREW, MACH. PAN HD # 6-32 x 1/2 LG.	311045	2	0
3 1		WASHER FLAT # 6	311608	2	0
0					
兴		, n	3000	0	1
33		GROMMET RUBBER 18 1.D., 716 0.D.	20010	1	1
\$					
35					1
36					1
37					1
38					1
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PL 400106

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180A (DO)

MAIN ASSEMBLY

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			9	PER ECO #876 1/2	121/85 84
			05	PER ECO # 909	3/10/85 NA
					<u> </u>
				APR 2 8 1987	2867
				180A(EU) 180A (DO)	USED ON
REFERENCE	ACE DRAWINGS	APPROVAL	REV.	04 04 05 05 04 04 2 3 4 5 6 7 8 9 10 11	12 13 14 1
DWG. NO.	DESCRIPTION	LIM DATE FINAL DATE	7		
		16 "Say -To " 15			
D340500	SCHEMATIC	AN OROSE NA		NOI SE REDUCTION	
C 460400	P.C ASSY	Bee Bee	1	+	
			a	360400	REV.
		8	STEAN	STEAM POWERED RADIO.COM	SHT. 1 OF 7

q p	SIMULTANEOUS NOISE REDUCTION	ON 1804 (EU),(DO) PL 360400	400 KEV .	2 OF 7	
TEM	REF. DESIGNATION	DESCRIPTION	PART NUMBER	αту	
-		P.C BOARD	260458	-	
2					
6					
4					1
2	RI, 4, 39, 42, 101, 104,	RESISTOR, IK, 14W, 1%	100110	80	1
9	R139, 142				1
7	R2, 5, 40, 43, 102, 105,	30KI, 14W, 1%	013012	40	- 1
8	R140,143				1
0	R3,6,41,44,103,106	23K2, 14W, 1%	012322	80	1
0	R141, 144				- 1
=	R7, 107	133K, 14W, 1%	011333	2	1
12	RB,108	442K, 14W, 1%	014423	2	1
E	R9, 22, 46, 59, 109, 122,	10K, 1/4W, 1%	011002	so.	1
14	R146, 159				1
5	R10, 21, 45, 58, 110, 121	33K2, 14W, 1%	013322	60	
9-	R145, 158				1
17	RII, 50, 150	POT TRIM 5 K, VERTICAL MOUNT	070286 *	m	- 1
-8	R12, 51, 112, 151	RESISTOR, 6K98, 14W, 1%	186910	4	1
6-	R13, 52, 113, 152	47R5, 14W, 1%	014759	4	1
20	RI4, 47, 114, 147	1 51 , 1/4W, 5%	054510	4	1
P	360400 * ALTERNATE	PART #070029 STEAM POWERED RADIO.COM			1

q p	DX Inc. NOISE REDUCTION	180A (EU), (DO) PL	360400 05	3 0 € 7
TEM	REF. DESIGNATION	DESCRIPTION	PART NUMBER	QTY
12	R15,48,115,148	RESISTOR, 180K, 14W, 5%	054184	4
22	RIG, 34, 49, 71, 116, 134	POT TRIM SOK, HORIZ. MOUNT	070068	8
23	R149, 171			
24	RI7, 55, 117, 155	RESISTOR, 3K9, 1/4W, 5%	054392	4
25	R18,54,118,154	10K, 14W, 5%	054103	4
26	R19,56,119,156	33 K, 1/4 W, 5%	.054 333	4
27	R20,57, 120,157	39, 1/4 W, 5%	054390	4
28	R23, 60, 123, 160	44 KZ, 14W, 1%	014422	4
62	R24, 61, 124, 161	147 K, 1/4W, 1%	011473	4
30	R25, 62, 125, 162	2K21, 14W, 1%	012211	4
31	R26,63,126,163	2KG7,14W,1%	,012671	4
32	R27, 64, 127, 164	GKB1, 14W, 1%	016811	4
33	R28, 65, 128, 165	143 K, 14W, 1%	0114.33	4
34	R29,	14K7, 14W, 1%	011472	4
35		22 M , 1/4 W, 5%	054526	4
36	R31,68,131,168	20, 14W, 5%	054500	4
37	R 32,	39K, 1/4W, 5%	054393	4
38	R33, 70, 76, 133, 170	20K, 1/4W, 5%	054203	2
39	R35, 72, 135, 172	1K, 1/4W, 5%	054102	4
4	R36,73,136,173	604 K, 14W, 1%	016043	4
Ы	360400	STEAM POWERED RADIO.COM		
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유	DX Inc. SIMULTANEOUS	180A (EU), (DO) PL 360400	400 REV .	SHEET 4 OF 7
EM	REF. DESIGNATION	DESCRIPTION	PART NUMBER	αту
14	R37,74,137,174	RESISTOR, 10, 1/4W, 5%	054100	4
42	R38,75,138,175	SELECT RESISTOR, 2MZ, NOM.	SELECT PER 168002	4
43	R53, 153	RESISTOR, 20K, 14W, 1%	012002	2
44	R78 - R100	NOT USED		
45	RITO	RESISTOR, 2K4, 14W, 5%	054242	-
46	RIII	POT, TRIM, 5K, HORIZ. MOUNT	070143	-
47	R77, 177	X	054182	7
48				
49				
50				
51	C1,2,15,16,28,29,41	CAPACITOR, 100P, CD, S2L ±5%	121259	14
52	(101,102,115,116,128,129,141)			
53	Contraction of	220P, PP ±5% MAX	125126	60
54	C106, 130, 133			
55	C4,7,31,34,104,107,}	33 P, CD, NPO ±5%	121175	00
26	CI31, 134			
57	C5,10,14,22,27,32,38,40,	(1/50V, RAD, EL ±20%	127084	22
58	C48,53,105,110,114,122,127,			
65	C132,138,140,148,153,178,179			
			THE RESIDENCE OF THE PARTY OF T	THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER, THE OW

123075

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			MOO OIDVE DE MAETA			
						08
						79
1	N	127198	1 10/25V, RAD, EL 198%		C174, 175	78
1	7	12752	1000/35V, RADEL, +50%		C168,169	77
1	0	12153	ION, CD, Y5E, \$20%		C166,167,172,173,176,177	76
1			NOT USED	171,071	C55-C100, C156-C165,	75
1	4	121176	33P, CD, S2L±5%		C 39,54,139,154	74
	7	-	200P, PP 12.5%		C36, 136	73
	4	166005	10, RAD, EL		C26,52,126,152	72
	4	123050	22N, MY ±5%		-	112
				ſ	C147, 150	101
	00	125222	560P, PP 12.5%	{	C21,24,47,50,121,124	69
					C145, 146	68
	00	123350	3N3, MY ±5%		C19, 20, 45, 46, 119, 120	67
18					C143,144	66
	00	123149	100N, MY +5%	{	C17,18,43,44,117,118	65
)	C137, 151	64
	00	121432	IN, CD, YSE, 20%		C13,25,37,51, 113,125,	63
	4	123286	1 , MY ±5%		C12, 35, 112, 135	62
	4	123025	SITOR, 10N, MY 15%	CAPACITOR	CII, 42, III, 142	9
	αту	PART NUMBER	DESCRIPTION		REF. DESIGNATION	TEM
F 7	SOF	360400 REV.	USED ON (DO) (DO) 360	NOITS	SI MULTANEOUS NOI SE REDUCTION	9P

PL 360400

9P	SIMULTANEOUS NOISE REDUCTION	TION USED ON PL 360400	too REV.	SHEET GOF 7
TEM	REF. DESIGNATION	DESCRIPTION	PART NUMBER	ату .
18				
82				
83				
8	CR1,2,3,4	DIODE, IN4003GP	140022	4
85	CRS, 6	DIODE, INSBIB	140206	2
86				
87		LEAD CONNECTOR, LED	310472	2
88				
68	IC1,3,5,7	IC, LOW DISTORTION	146732	4
90	IC2,4,6,8	IC, RMS	146742	4
16				
95				1
93	OA1, 3, 5, 7	OP, AMP LF 353	146241	4
94	OA2,4,6,8,	OP, AMP NE 5532	146282	4
96				
96				
76				
96	T2,3,4,5	NOT USED CUSTOMER OPTION, JENSEN	JE-123-5	4
66				
100				

9P	SIMULTANEOUS NOISE REDUCTI	REDUCTION 1804 (EU),(DO) PL 360400	400 KEV.	7 OF 7	2
TEM	REF. DESIGNATION	DESCRIPTION	PART NUMBER	νтα	
101	VRI	VOLTAGE REG. 7815CU	146366	_	
102	VR2	" 7805CU	146356	-	
103	VR3	. 7915 CU	146367	-	
104	VR4	. 7905CU	146355	-	
105				80 10 10 11	
106				di di	
107	51,52	SWITCH BPDT	250053	2	
108					
601	Y1-Y13	JUMPER, ZERO-OHM	110085	13	
0=		JUMPER, TWISTED PAIR	320231	N	
=		WIRE-WRAP WIRE, 24AMG, 4.75LG	320232	24	
112		HEAT SINK, TALL	310450	2	
113		SCREW PAN HD X-REC 4-40 x5/16 LG	311024	4	
114		HEX NUT 4-40	311664	4	
115		WASHER, INT TOOTH #4	311642	4	
19		WASHER, NYLON, SHOULDER	310443	2	
117		INSULATOR	310417	N	
118					
611					-118

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4-40×1/8LG

SPACER,

SWAGE

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360400

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