SERVICE MANUAL The Fisher

4/2-Channel Stereo Receiver

WORLD LEADER IN HIGH QUALITY STEREO

TABLE OF CONTENTS

REQUIRED TEST EQUIPMENT	2	TUNER SCHEMATIC (All Models)	7
HARMONIC DISTORTION CHECK	2	4060/674/895 SCHEMATICS	8, 9
FM TUNER ALIGNMENT	3	4060/674/895 PARTS LISTS	8, 9
AM TUNER ALIGNMENT	4,5	LAMP BOARD PARTS LIST (4060 Only)	9
CHASSIS PARTS LIST (All Models)	6	4020/4025/474/495 SCHEMATICS	10,11
TUNER PARTS LIST (All Models)	7	4020/4025/474/495 PARTS LISTS	10, 12

REQUIRED TEST EQUIPMENT

The following test equipment is required to test and align the Receiver:

- Line Voltage Autotransformer or Voltage Regulator
- AC DC Multimeter
- Accurately Calibrated AC Voltmeter
- Oscilloscope (Flat to 100 kHz Minimum)
- Low-Distortion Audio Sine-Wave Generator
- Harmonic Distortion Analyzer

- Four (4) Load Resistors, 8-ohms, 50 Watts (Minimum Rating)
- Low-Distortion AM-FM Signal Generator 10.7 MHz Sweep Generator
- Multiplex Generator
- 455 kHz Sweep Generator

CAUTION: This precision high-fidelity instrument should be serviced only by qualified personnel, trained in the repair of transitorized equipment and printed circuitry.

HARMONIC DISTORTION CHECK

To perform the harmonic distortion check proceed as follows:

CAUTION: Measure one channel at a time. Limit Full Power On periods to five minutes. Use a load resistor with a rating of at least 50 watts.

- (1) Set BASS and TREBLE controls flat, SELECTOR switch to AUX 1, and POWER/SPKRS switch to AC OFF.
- (2) Connect a low distortion sine wave signal generator between L AUX FRONT IN jack and chassis ground. Set the generator output at 1000 Hz, minimum output.
- (3) Connect an 8-ohm load resistor between L MAIN SPKR and COM terminals. Connect an AC VTVM,

scope, and harmonic distortion analyzer across the

- (4) Set the POWER/SPKRS switch to 2-CH. Set FRONT BALANCE (or VOLUME/BALANCE) control(s) to full LEFT position. Turn VOLUME control slowly up to maximum.
- (5a) For Models 4020/4025/474/495, adjust the generator output until the VTVM indicates 9 volts RMS. The distortion analyzer should indicate less than 1% harmonic distortion.
- (5b) For Models 4060, 674, 895, adjust the generator output until the VTVM indicates 11 volts RMS. The distortion analyzer should indicate less than 1% harmonic distortion.
- 6. Repeat steps 3 through 5b for RIGHT FRONT channels.

TUNER ALIGNMENT

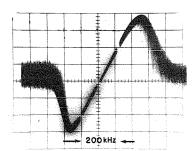
FM ALIGNMENT—FM MUTING OFF MODE to 2-CH, SELECTOR to FM, VOLUME to MIN, TAPE MONITOR OFF.

Maintain generator output as low as possible for suitable indication.

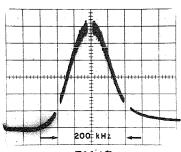
ITEM	GENERATOR	DIAL SETTING	INDICATOR	PROCEDURE			
Note: The FM IF circuit utilizes a non-tunable ceramic filter which establishes the IF bandpass. To insure symmetrical tuning and selectivity, the IF must be aligned precisely to the center of the filter bandpass, rather than to 10.7 MHz as in conventional LC circuits.							
1. IF ALIGNMENT	Connect to 10.7 MHz sweep through 2 pF capacitor and 22K resistor to TP1 (FM IN). Connect ground lead to rear of chassis. Markers are not required.	Position of non- interference.	Scope vertical input to TP2 (FM OUT). Ground lead to rear of chassis.	Short FM oscillator variable capacitor (section nearest L4) with a clip lead. Detune T9 by turning core up (CCW). Adjust T5, T3, T2, T1, for curve as shown in photograph. Repeat as required to obtain best shape. Adjust T9 for best shape (widest bandpass, not for max amplitude).			
2. PRELIMINARY DETECTOR ALIGNMENT	Readjust generator output to 100 uV. Reduce output amplitude as much as possible throughout this procedure.		Scope vert input through a 100K resistor to TP3 (DISCRI).	Adjust T7 top and bottom for best gain and symmetry. S-curve should appear as shown in photograph.			
impedance. Gen	composition resistors in series wi erator output voltage is reduced t t antenna voltages.	th each lead from the RF to one-half at antenna te	generator match the 50-c rminals. Signal voltages sp	ohm output to the 300-ohm input secified in this table are generator			
3. FRONT END ALIGNMENT		Tuning knob fully CCW.		Center dial pointer on 0 and cement it in place.			
4.	Connect FM RF generator through two 120-ohm resistors to FM ANT screw terminals. Set generator to position of non-interference near 90 MHz, modulate with 400 Hz to provide ± 75 kHz deviation. Output amplitude should be sufficient to provide a reading of 3 on receiver front panel meter.	Position of non-inter- ference near 90 MHz.	Receiver front panel meter. Note: To ensure that meter is not indicating a local broadcast station connect scope for step 5, below.	Adjust L4 for maximum gain. Adjust L2, then L7 for maximum gain. Repeat the two steps above as required.			
5.	Change generator setting to position of non-inter- ference near 106 MHz.	Position of non-inter- ference near 106 MHz.		Adjust TC3 for maximum gain. Adjust TC1, then TC2, for maximum gain. Repeat the two steps above as required.			
6. FINAL DETECTOR ALIGNMENT	As above, except set to position of non-inter-ference near 100 MHz. Set output amplitude to 1 mV (500 mV at receiver antenna terminals).	Position of non-inter- ference near 100 MHz.	Distortion meter to RCDR OUT jack. DC VTVM through 100K resistor to TP3 (DISCRI).	Adjust top core of T7 for zero point on 0.1 scale. Adjust bottom core of T7 for minimum distortion (should be below 1%) on distortion meter.			
				i · · · · · · · · · · · · · · · · · · ·			

TUNER ALIGNMENT (CONT'D)

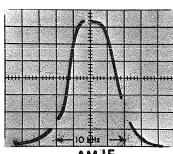
ITEM	GENERATOR	DIAL SETTING	INDICATOR	PROCEDURE
8. SIGNAL STRENGTH (0-5) METER ADJUSTMENT	As above; set amplitude of generator output to 1 Millivolt.	Position of non-in- terference near 100 MHz.	Receiver Signal Strength (0-5) Meter.	Adjust VR5 (FM Meter Drive Adjust) so the front panel meter reads 4.
9. CENTER CHANNEL METER ADJUSTMENT (4060 only)			Receiver Center Chan- nel (Arrows) Meter.	Slowly tune receiver above, then below generator signal. Needle should go from center (on signal) to right (above signal), then to left (below signal). Meter should remain centered when not near signal. If meter does not perform as described above, repeat steps 2 through 6 to produce properly shaped curves in IFs and Detector, as shown in photographs.
10. MUTING LEVEL ADJUSTMENT	Same except generator output set to 16 uV.		VTVM and scope to RCDR OUT jack.	Set MUTING ON-OFF switch on receiver front panel to ON. Adjust VR6 (Muting Adjust) until generator output signal overcomes MUTING (until signal shows on scope).
11. STEREO SEPARATION			Move VTVM and scope to TP5 (19 kHz) and GND.	Set VR2 (Separation adjust) to the middle of its rotation.
			Move VTVM and scope to TP6 (38 kHz).	Adjust L6 and L9 (19 kHz) for maximum output.
				Adjust L7 for maximum.
12.	Change amplitude of 19 kHz modulation to 8%, and modulate with 400 Hz. Main signal (Left) amplitude should be sufficient to produce 42 kHz deviation.		Scope and VTVM to Right RCDR OUT jack.	Adjust L9 for maximum output. If L9 requires more than ½ turn, readjust L6, then L9 several times, to get best settings for maximum. Adjust VR2 for minimum.
13.	As above, except 19 kHz amplitude to produce 3.75 kHz deviation.		Move scope and VTVM to Left RCDR OUT jack.	Adjust VR7 so the STEREO-BEACON just lights. Reduce amplitude of modulation until the STEREOBEACON just goes out. Note the amount of deviation. Increase the deviation until the light comes ON again. The STEREOBEACON should light and go out between 3 and 4.



FM DETECTOR



FMIF



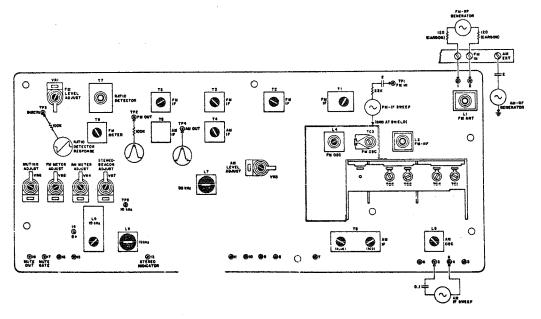
AMIF

TUNER ALIGNMENT (CONT'D)

AM ALIGNMENT-SAME FRONT PANEL SETTINGS as FM ALIGNMENT EXCEPT SELECTOR SET to AM

Maintain generator output as low as possible for suitable indication.

ITEM	GENERATOR	DIAL SETTING	INDICATOR	PROCEDURE
1. AM IF	Connect 445 kHz sweep generator to AM EXT ANT terminals. Note: After each adjustment reduce generator output as required to keep front panel meter near 2.5.	Position of non- interference.	Scope vertical input to TP4 (AM OUT).	Adjust T8 for maximum gain. Adjust T4 for maximum.gain. Repeat above two steps as required.
2. AM RF	Connect RM AM generator to antenna terminals and set output position of non-interference near 550 kHz, modulated 30% with 1 kHz audio, amplitude 5 mV.	Position of non-in- terference near 550 kHz	Scope and VTVM to RCDR OUT jack.	Adjust L8 (AM Osc) for maximum.
3.	Change the RF output frequency to position of non-interference near 1,600 kHz.	Position of non-in- terference near 1,600 kHz.		Adjust TC5 for maximum.
4.	Reset the output frequency to position of non-interference near 600 kHz.	Position of non-in- terference near 600 kHz.		Repeat steps 2 and 3, above for maximum at both 600 and 1,400 kHz.
5.	Reset output to 1,500 kHz.	Position of non-in- terference near 1,400 kHz.		Remove tape from ferrite antenna case and adjust slide for maximum gain signal. Repeat steps 4 and 5.
6. AM OUTPUT	Reset generator output to position of non-interference near 1,000 kHz, amplitude 5 mV.	Position of non-in- terference near 1,000 kHz.	·	Adjust VR3 (AM Output) for 315 mV.
7. AM SIGNAL STRENGTH METER (0-5) ADJUSTMENT	Reset generator output to position of non-interference near 1,000 kHz, amplitude 5 mV.	Position of non-in- terference near 1,000 kHz.	Receiver Signal Strength (0-5) meter.	Adjust VR4 (AM Meter Adjust) so that signal meter reads 4.

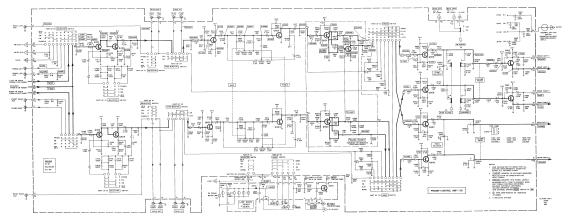


CHASSIS PARTS LIST

Ref. Des.	Description	Part Number	Ref. Des.	Description	Part Number
	Cabinet (4020/4025) Cabinet (474/495)	9403023 9403022	S5	POWER/SPKRS switch (4060/ 674/895)	2617351
	Cabinet (4060) Cabinet (674/895)	9403919 9403025	Т1	Power Transformer (4020/ 4025/474/495)	2217731
	Washer, square, for cabinet	4370451	T1	Power Transformer (4060)	2217711
	assembly	1070101	T1	Power Transformer (674/895)	2217741
	Screw, for above	4504582	C001	Capacitor, ceramic, 4700 pF	0243873
	Front Panel (4020)	3242773	C002	Capacitor, electrolytic,	0250131
	Front Panel (4025)	3242777		2200 UF, 63V	0200.07
	Front Panel (474)	3242771	C005	Capacitor, electrolytic,	1252831
•	Front Panel (495)	3242721	0000	100 UF, 50V	1202001
	Front Panel (4060)	3242921	R001	Resistor, 2.7 M	0139005
	Front Panel (674)	3242922	R003, 004	Resistor, 470, 1/2W (PHONES)	0134369
	Front Panel (895)	3280791	F001	Fuse, 2 A, 125V, (POWER,	FL51313-13
	Dial Glass (4020/4025)	3198692		(4020/4025/474/495)	
	Dial Glass (474/495)	3198691	F001	Fuse, 2.5 A, 125V (POWER	FL51313-28
	Dial Glass (4060)	3198671		4060/674/895)	
	Dial Glass (674/895)	3198671	F002	Fuse, 3 A, 125V, pigtail	FL51313-14
	Knob, Tuning (4020/4025/	3280791		slo blow (Lamp ckt.)	
	4060)		F003	Fuse, 2 A, 125V (QUTPUT)	FL51313-29
	Knob, Tuning (474/495/	3280795		Fuseholder	2727241
	674/895)			Jack, PHONES	2677061
	Knob, SELECTOR, MODE, (4020/4025/4060)	3280802		Antenna, AM, Ferrite, incl. mtg. bracket	2757126
	Knob, SELECTOR, MODE, (474/495/674/895)	3290906		Terminal Strip, Antenna Terminal Strip, Speakers	2687353 2687321
	Knob, VOLUME, BALANCE, FRONT (4020/4025/4060)	3218722		Terminal Strip, I/O, 6 RCA jacks	2677131
	Knob, VOLUME, BALANCE, FRONT (474/495/674/895)	3218752		Terminal Strip, I/O, 8 RCA jacks	2677161
	Knob, VOLUME, BALANCE, REAR (4020/4025/4060)	3281751		Terminal Strip, DISC OUT jack AC Outlet	2677181 2657211
	Knob, VOLUME, BALANCE, REAR (474/495/674/895)	3281723		Line cord Spring, meter retaining	2740241 3337103
	Pushbutton, LOUDNESS, MUTING (4020/4025/4060)	EK20046-3		(4020/4025/474/495) Pulley, dial cord (metal, 3-1/2")	3346045
	Pushbutton, LOUDNESS, (474/495/674/895)	EK20046-4		(4020/4025/474/495) Spring, for above	4564711
	Tuning Shaft assembly (4020/ 4025/474/495)	4561482		Spring, tuning backlash assembly (4060/674/895)	0662084
	Tuning Shaft assembly (674/895)	4381051		Lamp Chassis, less lamps (4020/4025/474/495)	2518786
	Tuning Shaft Assembly (4060)	4566071		Lamp Chassis, less lamps (674/895)	3918751
	Dial Pointer (4020/4025/ 474/495)	3386671		Lamp Board, less lamps (4060)	3918729
19	Dial Pointer, w/lamp (4060/674/895)	3386441		,	
19	Lamp, only for above	2767094	Printed Ci	rcuit Boards Complete (incl. c	omponents)
M101	Tuning Meter (4020/4025)	2577122			
M101	Tuning Meter (474/495)	25577129			
M101	Tuning Meter (4060/674/895)	2787302		Tuner (4020/4025/474/495)	2519198
M102	Center Channel Meter (4060)	2787301		Tuner (4060/674/895)	2519196
158, 110	Lamp, Dial and Meter, fuse type, 6.3V, 250 mA	2767201		Preamp/Control/SQ (4020/ 4025/474/495)	2519662
	Lamp, STEREOBEACON, 8V, 30 mA	2767333		Preamp/Control (674/895) SQ (674/895)	2519631 2519641
11-4	Lamp, MON, 2-CH, SQ, 4-CH, 6.3V, 65 mA	2767116		Preamp/Control/SQ (4060) Power Supply/Amp (4020/4025)	2579531 2519523
	Lamp holder (rubber)	2720022		Power Supply/Amp (474/495)	2519661
S7	POWER/SPKRS switch (4020/ 4025/474/495)	2617352		Power Supply/Amp (4060) Power Supply/Amp (674/895)	2519521 2519522

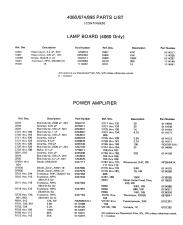
Note: Chassis mounted components may also be listed on the parts list of the circuit with which they function electrically.

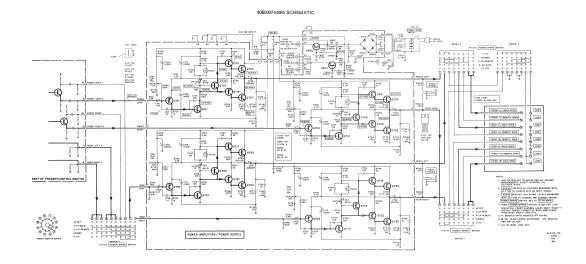
4060/674/895 SCHEMATIC



4060/674/895 PARTS LIST

PREAMPLIFIER/CONTROL/SQ						
Ref. Dec.	Description	Fort Number	Ret. Dos.	Description	Fort Number	
0401, 402, 611, 612, 931 thru 934	Dectrolysic, 3.3 uF, 50V	1253813	9413, 414, 989 thru 992	68 K	0114221	
C403, 404, ECO, EC4, E19, 620,	Electrolysic, 10 eP, 25V	1293621	9415, 416, 923, 924, 933	470K	0114297	
915 shru 918 0405, 406 0407, 408	Coramic, 82 pF Myler, 6900 pF	0348722 1274016	9417, 418, 937 thru 942	33K	0114267	
0409, 410, 606, 606	Myler, 2200 pF	1274013	R423, 424, 619, 620	5.6K	0114179	
0411, 412	Mylar, 2700 pF	1274014	19427, 428	820	0114153	
6413, 414	Ceramic, 150 pt	0243723	P429, 430	270	0114141	
0415, 416 0417, 418.	Bectrolysis, 47 aF, 16Y Bectrolysis, 47 uF, 56V	1252525 1252815	R431, 432, 603, 604	16	0114161	
613, 614			901, 900,			
962	Bestrelysis, 100 eF, 50V	1292831	907, 906, 963 mm			
0901, 802,	Becontyle, 1 sF, 60V	CE22342-2	966 966			
617, 618,			R433, 434,	98K	0114219	
901,900,			943, 944 R461, 462	1.2K	0114163	
921, 922,			972 thru	tiek.	0114163	
929,930			976			
0907 thre	Myter, 0.022 uF	1279013	R463	470	0114147	
610			R601, 602	190K	0114288	
0815, 616	Ceramic, 47 pF Blectrolysis, 2200 sF, 50V	0249976 0292841	606 861	49K	0114217	
C903, 904	Mylar, 0.01 uF	1275011	962, 967			
	Myter, 0.1 of	1229011	thru 990			
927,928			R609, 610	82K	0114223	
0907 thru	Myter, 015 eF	1276012	R611, 612, 621, 622	1.8K	0114167	
C911 thru	Myter, 0.068 sF	1279016	635, 636			
914			R613, 614,	3.5K	0114173	
0923, 924	Myter, 5800 pF	1274035	637, 638			
(925, 926 (935, 936	Polystyrene, 350 pF Cerumic, 100 pF	0228325	8615, feu 618, 625	16K	0114206	
G401, 402	Transistor, NPN,	2327254	626, 637,			
			638			
0403, 404,	Transistor, NPN,	2327363	R623, 624	220K	0114289	
905 dwu 908	2501346 (E)		NG27, G28 NG29 thru	EBOK	0114301	
0601, 602,	Transistor, NPN,	2220053	632	27K	0114171	
901,902,	250458 (C)	2227777	PISSS, 634.	280K	0114295	
903, 909,			911,912			
910			D533, 643	2.2K	0114169	
0603, 604	Transistor, NPN, 2504681G (C)	2320073	925, 931 19935, 936	8.2K	114153	
HD03 shru	Composition, 410	0134399	FOR7 thru	766	0114201	
006 PI401, 402,	120K	0114283	920 9222, 928.	100K	0114251	
915, 916,	1206	0114203	929, 930,	1004	0114301	
921, 927,			935			
P9499wu			ROS1 thru	27K	R0070F273J	
550, 565 thru 968			964 9877 thru	4.7K	0114177	
P1403, 404	12K	0114203	990, 933.	4.78	0114177	
P1405, 406	330K	0114293	Dry 200			
R407, 408,	3.98	0114175	R225, 225	100	0114131	
425, 426,			51, 2	Switch, SELECTOR, MODE	2617233	
909, 910,			53 thru G	SHIREN, TAPE MONITOR, LOUDNESS, PM MUTING.	2637461	
913, 914,				HIGH FILTER		
568 Svu			VR901A, R,	Ponentiomener, dual, 200K	0151710	
572, 581,						
162, 167,				Potentiomater, 290K	0151706	
168			VR903	Potentiometer, 100K	0155353	
M406, 410, 503, 504,	180K	0114387				
506			All resistors as	y Deposited Filtre, SN, NW unless	otherwise notest.	
M411, 412	510	0114148	K ♥Kēshm			





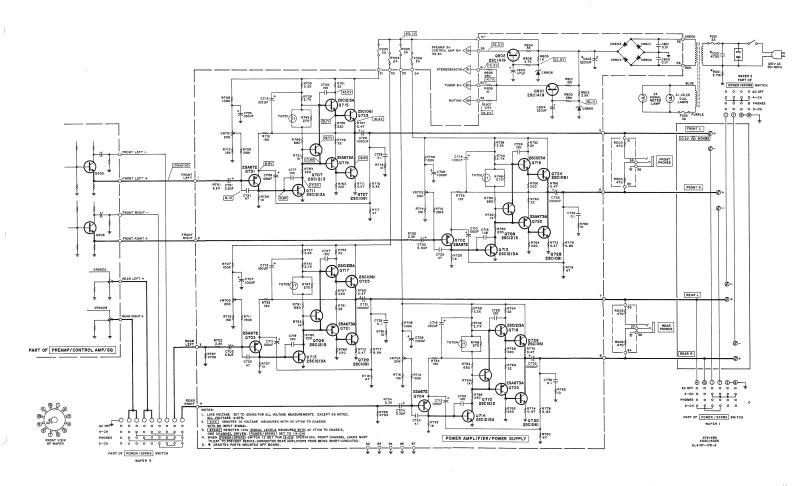
020/4025/474/495 SCHEMATIC

4020/4025/474/495 PARTS LIST

PREAMPLIFIER/ CONTROL / SQ

Ref. Dec.	Description	Part Number	Ref. Dec.	Description	Part Number
C401, 402,	Electrotytic, 3.3 uf , 50V	1262813	H421, 422,	186	0114207
613, 614			615, 616,		
C460, 404	Electrolytic, 10 sF, 25V	1252621	617, 618,		
C466, 466	Ceramic, 82 of	0240727	675, 676		
C467, 468	Myler, 6800 pt	1274016	PA23, 424,	5.6K	0114179
0400, 410	Myler, 2200 pff	1274013	633, 634		
0411, 412	Mater, 3000 pff	1274243	FH27, 426	820	0114153
C413, 414	Ceramic, 150 pF	0249720	R429, 430	270	0114141
0415, 416	Electrolytic, 47 oF, 16V	1252525	P431, 432,	1K	0114161
0417, 418,	Electrofatio, 4.7 aF, 60V	1252015	633, 634,		
953, 934,			900 thru		
611,612	100 vF. 90V	1252531	912,937,		
O461, 921	Decreation 1 of 507	1252811	935		0114219
0901, 602,	Electrolytic, 1 ur, 507	1505011	R433, 434	56K	0114297
617, 618, 901, 902,			P601, 602,	470K	0114297
907, 902,			607, 608,		
909, 910.			613, 614,		
915, 916,			635, 636,		
917, 918			925 dwo		
917, 91E 0905, 606	Mylar, 1990 oF	1274012	928, 947,		
Q907 rbru	Mylar, 0.002 uF	1275014	948 1900, 606,	693K	0114301
610	eryran, ocean or		PROS, 606, 631, 632	6924.	0114301
0815.816	Coramio, 47 oF	0248676	939, 632,		
805, 826	Otherwit and		P809 810	2.7%	0114171
C993 904	Meter, Q.D1 uF	1275011	9811 812	28	0114168
C905, 906	Meler, 9.1 uF	1276011	9818, 620.	1.00	0114157
C911 912	Malar, 220 of	0220319	623 624	1.60%	0114101
C913.914	Malar, 0.068 aF	1225016	626,630		
CRIR	Electrofytic, 2200 sF	1252532	P921.622.	100	0114115
C923, 924	Ceremin, 180 oF	0240220	921, 923	2.00	
0901 402	Toosister, NPN.	2327254	R927, 929	BOOK .	0114303
9401, 400.	29049BLG (D)		R901 thru	550	2114228
0403.404	Transister, NPN.	2227363	924, 952.	Mark.	
	2901349 (6)		254		
0901-902	Transistor, NPN.	2320053	R212, 914.	100K	0114261
931, 932	290468 (0)		917, 918,		
903.905			212, 222		
906			R915, 916.	106	0114201
0903.904	Transistor, NPN.	2220073	922, 934.		
	290468LG (C)		935, 936		
R401, 402	1200	0114283	R929, 936	47%	0114217
R403, 404	126	0114203	921		
R406, 406,	230K	0114293	R929, 940	990K	0114301
906, 906,			R949, 951	100	0114131
907, 908,			R963	470	0114147
941,942			91.2	Switch, SELECTOR, MODE	2617361
R407, 408, 425, 425.	3.5%	0114175	50, 4	Switch, TAPE MONITOR, LOUDINGS CONTOUR	2637531
921, 923,			VR601.602	Putersigneter, skall, 200K	0151770
943, 944,			VR901A, B.	Perentiameter, 200K	0151710
945, 946			902A B		0.51710
R409, 410	1806	0114287	code, a		
B411, 412	510	0114148			
P413, 414	688	01144221			
D415, 416	560K	0114299	All resistors or	re Deposited Film, 9%, NW unless	otherwise noted.
D417, 418	33K	0114213	K = Köshm		

4020/4025/474/495 SCHEMATIC



"

4020/4025/474/495 PARTS LIST

POWER AMPLIFIER

Ref. Des.	Description	Part Number	Ref. Des.	Description	Part Number
C701 thru 704	Electrolytic, 3.3 uF, 50V	1252813	R721 thru	1K	0134373
C705 thru 716	Electrolytic, 100 uF, 50V	1252831	728		
C717 thru 720	Ceramic, 100 pF	0246464	R735 thru	3.3K	0114173
C721 thru 724		0248676	738		
C725 thru 728	Ceramic, 150 pF	0248728	R739 thru	2.7K	0114171
C729 thru 732	Electrolytic, 1000 uF, 35V	1252741	742		
C733 thru 736	Mylar, 0.1 uF	1276011	R745 thru	270	RC20BF271J
C801, 802	Ceramic, 0.01 uF	0245408	748		
C804	Electrolytic, 220 uF	1252632	R751 thru	22	0114049
C805	Electrolytic, 47 uF	1252825	754, 759		
CR801 thru	Diode, SR3AM-8	2337111	thru 762		
804			R755 thru	220	0114139
CR805	Diode, Zener, AW01-16	2337065	758, 763		
CR806	Diode, Zener, AW01-22	2337063	thru 766, 783		
Q701 thru	Transistor, PNP, 2SA672 (C)	2327263	thru 786		
704			R767 thru	Wirewound, 0.47, 2W	RP3WR47J
Q707 thru	Transistor, NPN, 2SC1213 (C)	2327333	774		
710			R775, 776	6.8K	0114181
Q711 thru	Transistor, NPN, 2SC1213A (C)	2327293	R779 thru	Composition, 10, 1/2W	0134289
718			782, 808		
Q719 thru	Transistor, PNP, 2SA673A (C)	2327283	R787, 788	470K	0138217
722			R801	Metal Oxide Fixed Film,	0111410
Q723 thru	Transistor, NPN, 2SC1061 (C)	2327153		100, 2W	
730			R802	Composition, 3.9K, ½W	0134380
Q801, 802	Transistor, NPN, 2SC1419 (C)	2327593	R803	Composition, 680, 1/2W	0134371
R701 thru	2.2K	0114169	R804	Composition, 82, 1/2W	0134300
704			R805	Composition, 1K, ½W	0134373
R705 thru	100K	0114281	R806	4.7K	0114177
708			R807	5.6K	0114179
R709 thru	150K	0114285	R809	330, ½W	RC20BF331J
712			VR701 thru	Potentiometer, 20K	0151281
R713 thru	15K	0114205	704		
716, 731					
thru 734					
R717 thru	47	0114057	All resistors are	Deposited Film, 5%, ¼W unles	s otherwise noted.
720			K = Kilohm		





FISHER RADIO • 11-40 45th ROAD • LONG ISLAND CITY • NEW YORK 11101

NL 4137-103

© COPYRIGHT 1974 FISHER RADIO • All Rights Reserved.

12