MRP-1

"STP" HEAD-AMP FRONT END

MC-IN

100 µF 10V

PLUG IN (47)

+20V

33.2K

1K µF 25V

620 pF

4.75K

+47V

IN4747A 20V-1W 5%

BC 414 C

LM 394H

1K

221

2.21K

.33

PHONO / HEAD CARD (ONE CHANNEL)

+47V

Z1F CONN.

620 pF

47µF 35V

PHONO CARD OUT

1K

Z1F CONN.

27.4 K

10 K

26.7 K

2700 pF

4.75 K

620 pF

100

1M

8200 pF

4.75K

475

620 pF

100 K

475

MAGNETIC PHONE CARD FRONT END

PHONO IN

100µF 10V

100 K

OPTIONAL PLUG-IN CAP

9.09K

620 pF

2200 µF 6.3V

9.09K

10K

620 pF

1.5 K

4700 µF 6.3 V

620 pF

SIGNAL GND

.01 CER.

Z1F CONN.

BEZEL GND

+58.8V

12.9K

+60V

ACOUSTAT S51041 2N5679 HEAT-SINK

PHONO REGULATOR CONSTANT CURRENT SOURCES

R

+47V_R

IN5368B 12.4K

15

20,000 µF 50V

+47V_L

L

S51041 2N5679 HEAT-SINK

20,1000 µF 50V

IN5368B 47V-5W 5%

15

100K

ZERO INSERTION FORCE CARD EDGE SOCKETS

17,18

14,15

11,12

8,9

5,6

3,4

1,2

BEZEL GND

+47V_R

+47V_L

WIRE-LINK FUSES 0.005" DIA.

H1-1 H1-2 H1-3

L R L R L R

R1 R2 R3

L1 L2 L3

200K (6)

PH-1 PH-2 PH-3 H1-1 H1-2 H1-3 TAPE

300 pf

TAPE BUFFERS

LF256/ 356 BN

9.09K

.18 µF

200 K

9.09K

300 pf

100 K

.18 µF

562

562

TAPE OUTS

R

L

100K

TAPE IN R

100K

TAPE IN L

R

L

.33 µF

L

R

L

MAIN 12 PWT. ASSY

+20V_R

2.74 K

620pF

BC416 C

9.09K

1.27K

100µF 20V

1K

BC414 C

1.27K

620pF

-20V_R

UNITY GAIN STAGES

+20V_L 620pF

BC416 C

2.74 K

9.09K

1.27K

100 µF 20V

1K

BC414 C

1.27K

620pF

-20V_L

.33 µF

L

100 K

300 pf

R

20 K

BAL. CW

MONO

20 K

LEV. CW

L

CROWBAR & MUTE QUAD COMPARATOR LM339/MC3302 .01µF

10K

6.8M 5% C.F.

1M

1ST DECISION

15

DISCHARGE

2ND DECISION

33µF

-5V

-10V

-10V

-5V

CROWBAR CONTROL LINE

OPERATE = 0 VOLTS

CROWBAR = -10V

10K

100K

10K

10K

10K

10K

MUTE MEMORY

1M

.01µF

10K

DE-MUTE

22K

551041 2N5679

RELAY BYPASS 551041 2N5679

3.9K-5W-WW

-60V

68.1 K

2.74 K

RELAY 551041 2N5679

100

100

-60V

MUTE

RED LED

60V COIL

CROWBAR RELAY

GN LED

12.4K

620pF

1K

47µF NP

12.4K

2.21K

OP-17FJ PMI

562

H11-F3 (GE) -17LB MUTE

H11-F3

2.21K

PMI OP-17FJ

12.4K

20K

47µF-NP

1K

620pF

12.4K

562

L1 R1 L2 R2

MAIN OUTS

R

L

REMOTE LOGIC

PHONE JACKS

OUT-1

RED LEDS

OUT-2

LINE IN

FUSES: 117V-0.5A 240V-0.25A SB

50-60 HZ 15 W

100V AC C.T.

WIRE-LINK FUSE 0.005" DIA.

WIRE-LINK FUSE 0.005" DIA.

+20V R

620 pF

3300 µF 25V

1K-5W-WW

IN4747A 20V-1W 5%

+20V L

620 pF

3300 µF 25V

1K-5W

IN4747A 20V-1W 5%

+60V

620 pF

20,000 µF 75V

620 pF

20,000 µF 75V

620 pF

1K-5W-WW

IN4747A 20V-1W 5%

3300 µF 25 V

620 pF

-20V R

1K-5W-WW

IN4747A 20V-1W 5%

3300 µF 25 V

620 pF

-20V L

6.81K

IN5252B 5.1V, ½W 5%

15µF 20V

-60V

-10V

-5V

NOTES:

1) SHOWN: MAIN OUT 1, OPERATE, PHONO 1, STEREO, NON-MUTE.
2) ALL RESISTORS ½W METAL-FILM U.O.S.
3) ALL DIODES IN4006 U.O.S.
4) ALL µF CAPS. ARE SILVER MICA
5) NON-117 V. UNITS SO LABELLED ON BACK PANEL