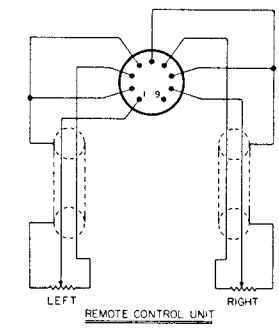


DUMMY PLUG (MALE)

DUMMY PLUG MUST BE INSERTED IN ALL UNITS WITH NO REMOTE CONTROL

| S1 LOW LEVEL SWITCH POSITIONS | | S2 MONO-STEREO SWITCH POSITIONS | |
|----------------------------------|-----|------------------------------------|---------------|
| SHOWN IN → | MIC | SHOWN IN → | BALANCE RIGHT |
| 3 3/4 | | BALANCE LEFT | |
| 7 1/2 | | REVERSE | |
| 7 8 | | STEREO | |
| COL-1 | | MONO-PHONO | |
| RIAA-1 | | A | |
| RIAA-2 | | B | |
| COL-2 | | | |

NOTE
ALL SLIDE SWITCHES SHOWN IN THE "OFF" POSITION



| RESISTORS | R3 TO R10 | R11 | R12 TO R17 | R18 TO R19 | R20 TO R21 | R26 TO R30 | R32 TO R33 | R39 | R52 TO R53 | R54 TO R56 | R50 TO R51 | R57 TO R60 | R61 TO R63 | R64 TO R70 | R71 TO R72 | R75 TO R80 | R81 TO R85 | R86 TO R87 | R88 TO R95 | R96 TO R100 | R103 TO R106 | R107 TO R108 | R73 TO R113 | R109 TO R113 | R114 TO R116 | R118 TO R119 | R120 TO R123 | R115 TO R117 | R121 TO R122 | R124 TO R126 | R125 TO R130 | R127 TO R132 | R131 TO R132 | | | | | | | | | | | |
|------------|-----------|-----|------------|------------|------------|------------|------------|-----|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|--------------|--------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| CAPACITORS | C1 | C2 | C3 | C4 | C13 | C14 | C32 | C33 | C34 | C30 | C35 | C36 | C37 TO C44 | C45 | C46 | C47 | C48 | C49 | C50 | C51 TO C54 | C55 | C56 | C57 | C58 | C59 | C60 | C63 | C64 | C65 | C66 | C67 | C68 | C69 | C70 | C71 | C72 | C73 | C74 | C75 | C76 | C77 | C78 | C79 | C80 |

PARTS DESCRIPTION LIST

CAPACITORS

10% tolerance for all fixed capacitors, unless otherwise noted or marked GMV (guaranteed minimum value).

| Symbol | Description | Part No. |
|----------|--------------------------------|-----------|
| C1, 2 | Ceramic, 100uf, N1500, 100V | C50070-6 |
| C3, 4 | Mylar, .022uf, 250V | C50197-49 |
| C13, 14 | Mylar, .047uf, 250V | C50197-52 |
| C30, 31 | Ceramic, 100uf, N1500, 1000V | C50070-6 |
| C32 | Electrolytic, 2 section | C50180-29 |
| | A — 1000uf, 35V | |
| | B — 1000uf, 35V | |
| C33 | Electrolytic, 4 section | C50180-10 |
| | A — 40uf, 450V | |
| | B — 10uf, 450V | |
| | C — 10uf, 450V | |
| | D — 40uf, 450V | |
| C34 | Electrolytic, 4 section | C50180-30 |
| | A — 30uf, 350V | |
| | B — 10uf, 250V | |
| | C — 30uf, 350V | |
| | D — 10uf, 300V | |
| C35, 36 | Ceramic, .005uf, 20%, 500V | C50089-1 |
| C37, 38 | Ceramic, .0039uf, 1000V | C50072-34 |
| C41, 42 | Mylar, .1uf, 250V | C50197-54 |
| C43, 44, | | |
| 45, 46 | Electrolytic, 50uf, 3V | C50283-1 |
| C47, 48 | Mylar, .1uf, 250V | C50197-54 |
| C49, 50, | | |
| 51, 52 | Ceramic, 24uf, 5%, N150, 1000V | C50070-8 |
| C53, 54 | Mylar, .033uf, 250V | C50197-51 |
| C55, 56 | Ceramic, 2700uf, 1000V | C50072-17 |
| C57, 58 | Electrolytic, 50uf, 3V | C50283-1 |
| C59, 60 | Ceramic, 300uf, 1000V | C50072-39 |
| C63, 64 | Ceramic, 1000uf, 1000V | C50072-3 |
| C65, 66 | Ceramic, 220uf, 1000V | C50072-20 |
| C67, 68 | Mylar, .68uf, 250V | C50197-57 |
| C69, 70 | Ceramic, 220uf, 1000V | C50072-20 |
| C71, 72 | Mylar, .047uf, 250V | C50197-52 |
| C73, 74 | Mylar, .68uf, 250V | C50197-57 |
| C75, 76, | | |
| 77, 78 | Electrolytic, 50uf, 3V | C50283-1 |
| C79, 80 | Mylar, .68uf, 250V | C50197-57 |

RESISTORS AND POTENTIOMETERS

In ohms, 10% tolerance, 1/2 watt, unless otherwise noted. K=Kilohm, M=Megohm.

| Symbol | Description | Part No. |
|-------------|---|------------|
| R3, 4, 5, 6 | Dep. Carbon, 100K, 5%, 1/3 W | R33DC104J |
| R7, 8, | | |
| 9, 10 | Dep. Carbon, 120K, 5%, 1/3 W | R33DC124J |
| R11 | Potentiometer, Dual, 250K, aux. 2 level | R50160-71 |
| R12, 13 | Dep. Carbon, 100K, 5%, 1/3 W | R33DC104J |
| R14, 15 | Dep. Carbon, 10K, 5%, 1/3 W | R33DC103J |
| R16, 17 | Glass, 2.7K, 5%, 1W | R30G272J |
| R18, 19 | Glass, 330K, 5%, 1W | R30G334J |
| R20, 21 | Dep. Carbon, 4.7M, 5%, 1/3 W | R33DC475J |
| R26, 27 | Dep. Carbon, 220K, 5%, 1/3 W | R33DC224J |
| R28, 29 | Composition, 560K | RC20BF564K |
| R30 | Dep. Carbon, 100K, 5%, 1/3 W | R33DC104J |
| R32, 33 | Potentiometer, Dual, 250K, Mag. 1 & Mag. 2 level | R50160-71 |
| R39 | Dep. Carbon, 100K, 5%, 1/3 W | R33DC104J |
| R50, 51 | Dep. Carbon, 120K, 5%, 1/3 W | R33DC124J |
| R52 | Glass, 330, 3W | RPG3W331K |
| R53 | Wirewound, 10K, 7W | R851-128 |
| R54 | Glass, 1K, 3W | RPG3W102K |
| R55 | Composition, 47K | RC20BF473K |
| R56 | Glass, 1K, 3W | RPG3W102K |
| R57, 58 | Composition, 1.5M | RC30BF155K |
| R59 | Glass, 5.6K, 3W | RPG3W562K |
| R60 | Glass, 1K, 3W | RPG3W102K |

| | | |
|------------|------------------------------------|------------|
| R61, 62 | Dep. Carbon, 220K, 5%, 1/3 W | R33DC224J |
| R63 | Glass, 4.7K, 3W | RPG3W472K |
| R64, 65 | Composition, 300K, 5% | RC20BF304J |
| R66, 67 | Dep. Carbon, 100K, 5%, 1/3 W | R33DC104J |
| R68 | Composition, 15K | RC20BF153K |
| R69, 70 | Composition, 1.5K | RC20BF152K |
| R71, 72 | Composition, 330K | RC20BF334K |
| R73 | Dep. Carbon, 4.7M, 5%, 1/3 W | R33DC475J |
| R75, 76 | Dep. Carbon, 220K, 5%, 1/3 W | R33DC224J |
| R77, 78 | Dep. Carbon, 2.7K, 5%, 1/3 W | R33DC272J |
| R79, 80 | Dep. Carbon, 100K, 5%, 1/3 W | R33DC104J |
| R81, 82 | Dep. Carbon, 470K, 5%, 1/3 W | R33DC474J |
| R83 | Potentiometer, dual, 250K, balance | R50160-65 |
| R84, 85, | | |
| 86, 87 | Dep. Carbon, 470K, 5%, 1/3 W | R33DC474J |
| R88 | Composition, 33 | RC20BF330K |
| R89, 90 | Composition, 2.7M, 5% | RC20BF275J |
| R91, 92 | Composition, 2.2M, 5% | RC20BF225J |
| R93, 94 | Dep. Carbon, 470K, 5%, 1/3 W | R33DC474J |
| R95 | Potentiometer, dual, 1M, dimension | R50160-70 |
| R96 | Dep. Carbon, 470K, 5%, 1/3 W | R33DC474J |
| R97, 98 | Dep. Carbon, 120K, 5%, 1/3 W | R33DC124J |
| R99, 100 | Composition, 1.8K | RC20BF182K |
| R101, 102, | | |
| 103, 104, | | |
| 105, 106 | Dep. Carbon, 47K, 5%, 1/3 W | R33DC473K |
| R107, 108 | Composition, 68K, 10%, 1W | R30BF683K |
| R109, 110 | Dep. Carbon, 470K, 5%, 1/3 W | R33DC474J |
| R111, 112 | Dep. Carbon, 10K, 5%, 1/3 W | R33DC103J |
| R113 | Dep. Carbon, 220K, 5%, 1/3 W | R33DC224J |
| R114, 115 | Dep. Carbon, 220K, 5%, 1/3 W | R33DC224J |
| R116, 117 | Dep. Carbon, 2.7K, 5%, 1/3 W | R33DC272J |
| R118, 119 | Dep. Carbon, 22K, 5%, 1/3 W | R33DC223J |
| R120 | Potentiometer, dual, 100K, volume | R50160-69 |
| R121 | Dep. Carbon, 470K, 5%, 1/3 W | R33DC474J |
| R122 | Potentiometer, dual, 1M, bass | R50160-66 |
| R123 | Potentiometer, dual, 500K, treble | R50160-67 |
| R124 | Potentiometer, 500K, center volume | R50160-68 |
| R125, 126 | Dep. Carbon, 270K, 5%, 1/3 W | R33DC274J |
| R127, 128 | Composition, 1.5K | RC20BF152K |
| R129, 130 | Composition, 180K | RC20BF184K |
| R131, 132 | Composition, 68K, 1W | R30BF683K |

MISCELLANEOUS

| Symbol | Description | Part No. |
|-----------|-----------------------------------|--------------|
| F1 | Fuse, .5 amp., slo-blo | F795-136 |
| I1, 2, 3, | | |
| 4, 5 | Lamp, #47 | 150009-1 |
| PC1, 2 | Printed Circuit, 3 3/4, tape EQ. | PC50187-7 |
| PC3, 4 | Printed Circuit, COL, EQ | PC50187-6 |
| PC5, 6 | Printed Circuit, 78, EQ. | PC50187-8 |
| PC7, 8 | Printed Circuit, R1AA, 7 1/2, EQ. | PC50187-3 |
| PC9, 10 | Printed Circuit, tone control | PC657-140 |
| P1 | Plug, dummy | P50181 |
| S1 | Switch, low level | S851-126 |
| S2 | Switch, mono-stereo | S851-127 |
| S3 | Switch, push button | S851-119 |
| S4 | Switch, center ch., power | Part of R124 |
| S5, 6, 7, | | |
| 8, 9 | Switch, slide | S50200-5 |
| S10 | Switch, power | Part of R120 |
| SR1, 2 | Diode, silicon, SD91 | SR851-121 |
| T1 | Transformer, power | T851-115 |
| — | Dress panel | AS851-106 |
| — | Shielded cable | AS50004-1 |
| — | Knob, push button | E851-116 |
| — | Knob, dual, front | E50323 |
| — | Knob, dual, rear | E50221 |
| — | Knob | E50325-1 |
| — | Jewel, red | 150162-1 |
| — | Jewel, yellow | 150162-2 |
| — | Jewel, green | 150162-4 |