

RCD-975 Stereo Compact Disc Player

Technical Manual

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THE ROTEL CO., LTD.

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ROTEL ELECTRONICS CO., LTD.

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MN20002279

Safety Caution

PROTECTION OF EYES FROM LASER BEAM DURING SERVICING

THIS SET EMPLOYS A LASER. THEREFORE, BE SURE TO FOLLOW CAREFULLY THE INSTRUCTIONS BELOW WHEN SERVICING.

WARNING !!

WHEN SERVICING, DO NOT APPROACH THE LASER EXIT WITH THE EYE TOO CLOSELY. IN CASE IT IS NECESSARY TO CONFIRM LASER BEAM EMMISIOM, BE SURE TO OBSERVE FROM A DISTANCE OF MORE THAN 30cm FROM THE SURFACE OF THE OBJECTIVE LENS ON THE OPTICAL PICK-UP BLOCK.

LASER WARNING LABEL THE LABEL SHOWN BELOW ARE AFFIXED.

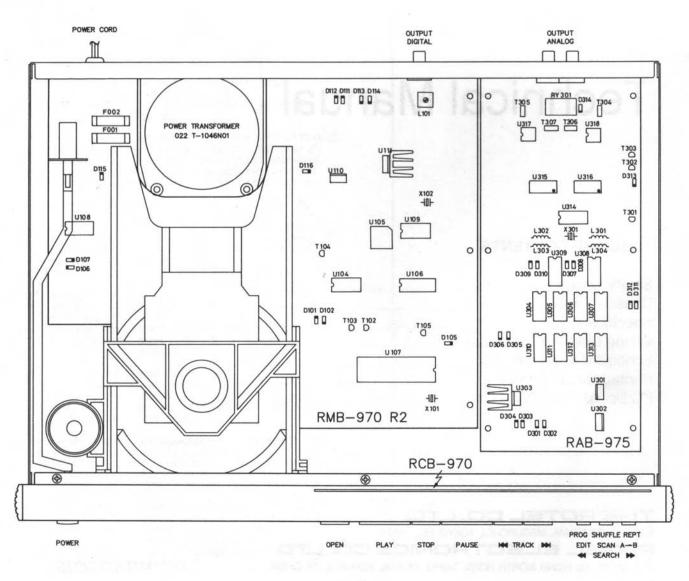
CAUTION

INVISIBLE LASER RADIATION WHEN OPEN, DO NOT STARE INTO BEAM.

DANGER

INVISIBLE LASER RADIATION WHEN OPEN, AVOID DIRECT EXPOSURE TO BEAM.

Chassis Layout



SPECIFICATIONS :

RCD 975

Frequency Response Channel Balance Phase Linearity Total Harmonic Distortion + Noise Intermodulation Distortion

Channel Separation Signal to Noise Ratio Dynamic Range Digital to Analog Converters (2) Digital Filter

Speed Accuracy, Wow and Flutter Output Level Output Impedance Digital Output Load Impedance

Power Requirements

Power Consumption Weight Dimensions 20-20,000 Hz ± 0.05 dB ± 0.5 dB ± 0.5 degree 0.0025% @ 1 kHz 0.0025% @ 1 kHz

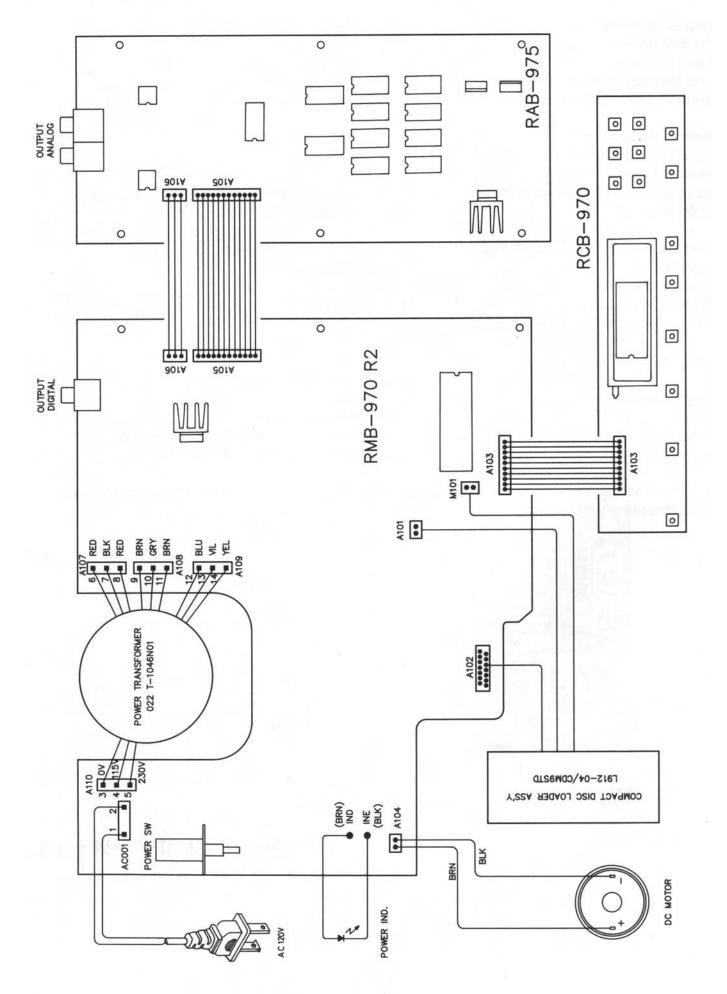
> 100 dB @ 1 kHz
> 107 dB
> 100 dB
Multiplebit Bitstream Continuous Calibration
20 Bit, 16x Oversampling

Quartz crystal precision 2.0 Volts rms 200 Ohms 0.5 Volt P.P. 75 Ohms

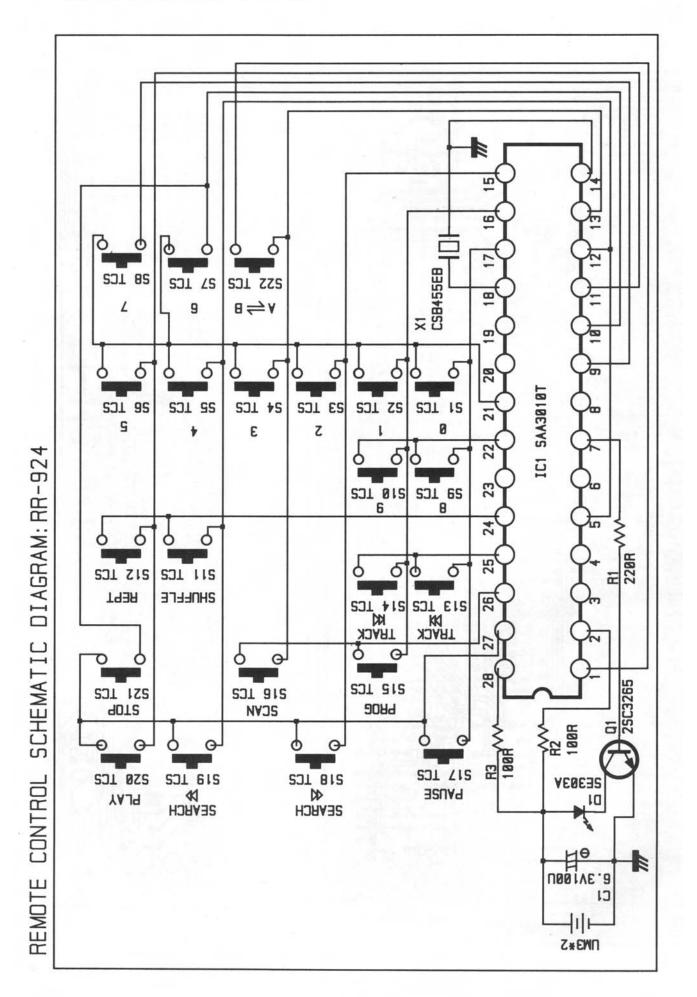
115 volts AC 50/60 Hz, 230 volts AC 50/60 Hz 30 watts 5.3 Kg's / 11.6 Lbs. 440 mm (W) x 72 mm (H) x 316 mm (D) 17-3/8" (W) x 2-7/8" (H) x 12-7/16" (D)

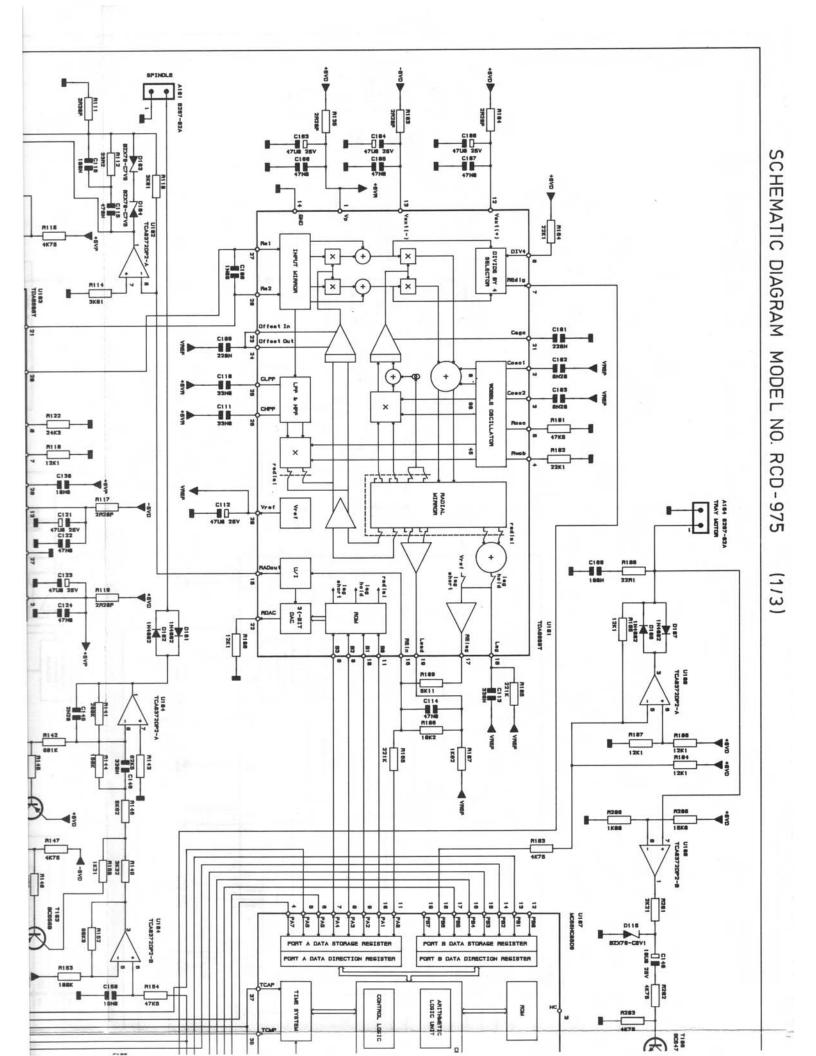
All specifications are accurate at the time of printing. Rotel reserves the right to make improvements without notice.

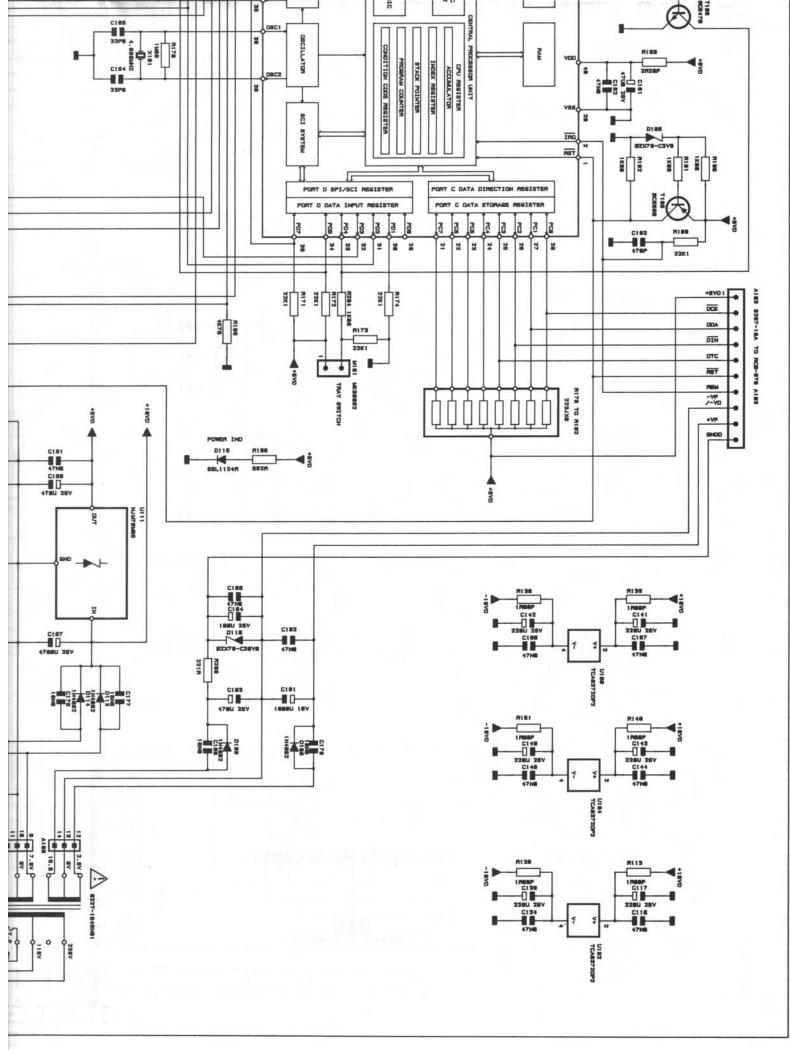
Wiring Diagram

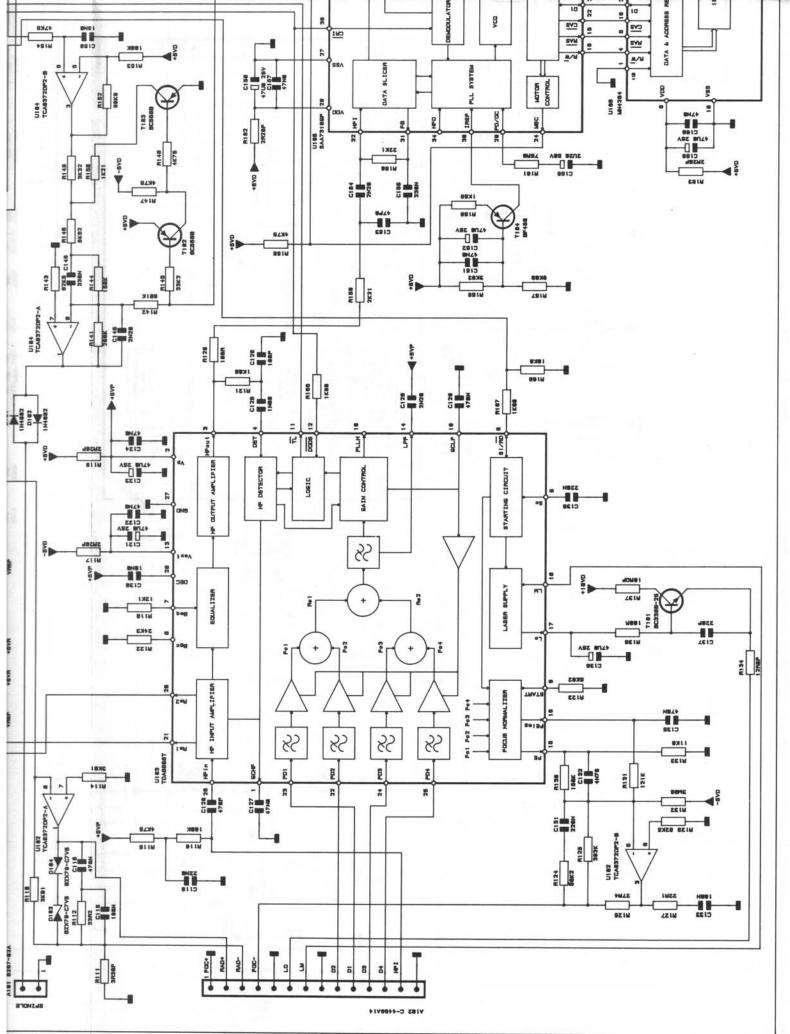


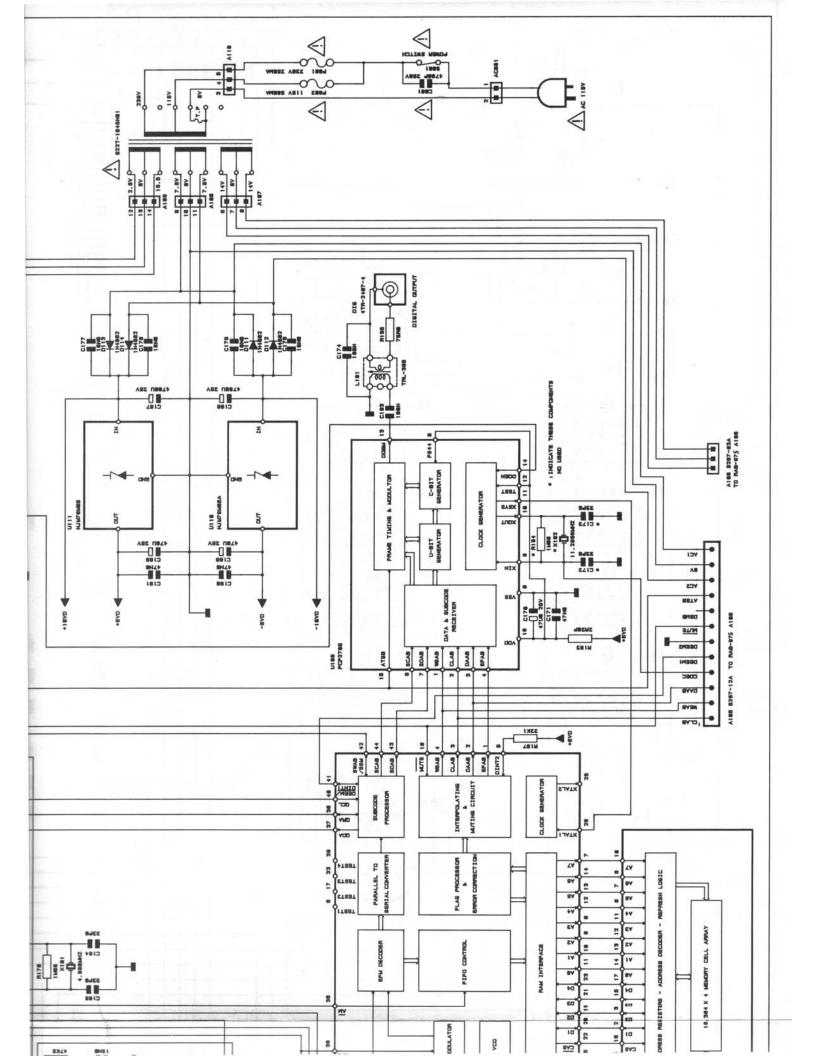
REMOTE CONTROL HANDSET

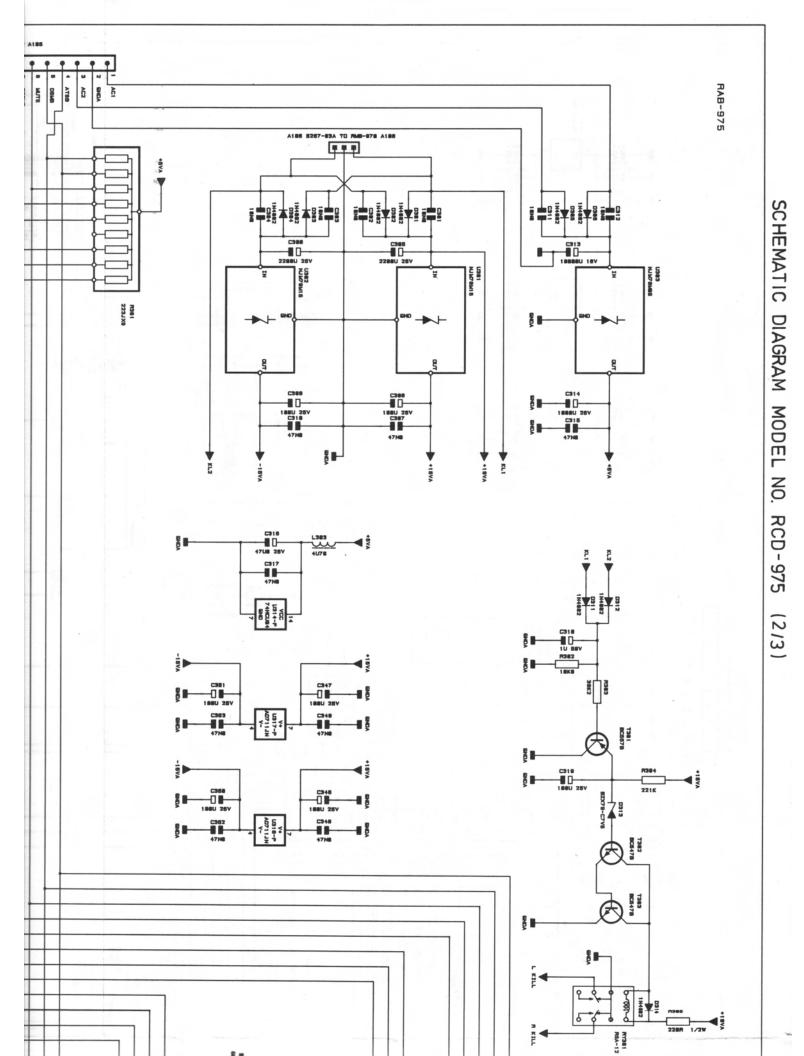


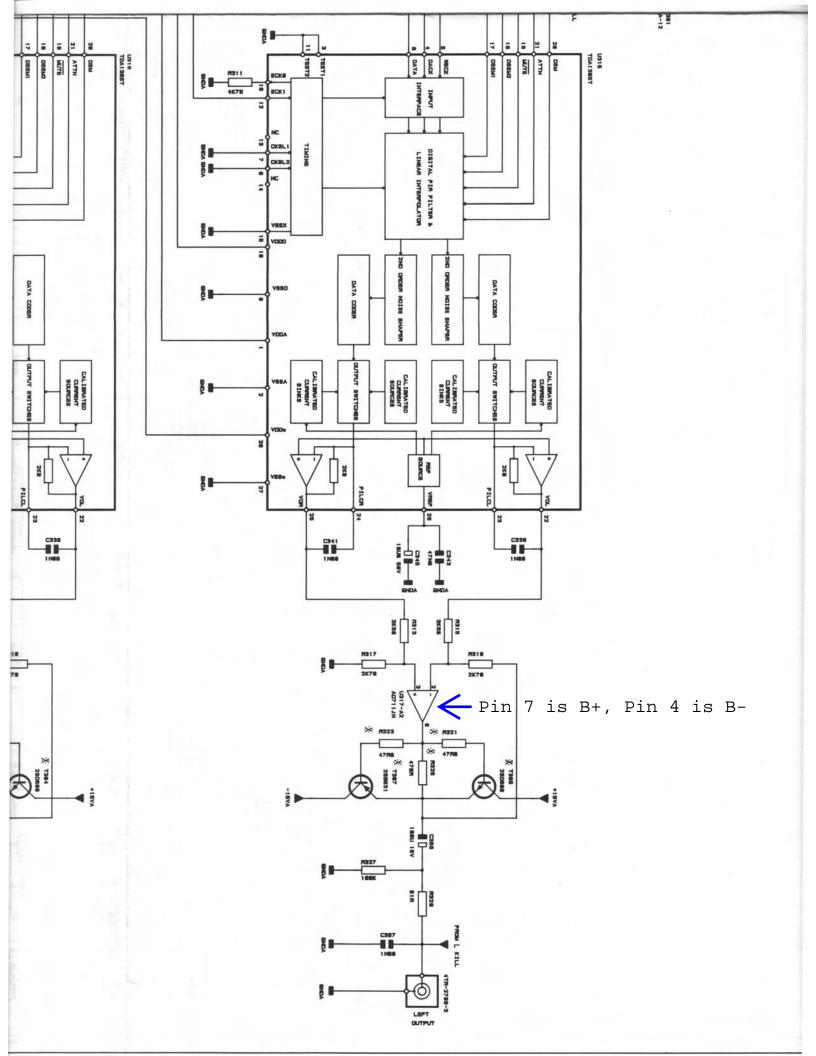


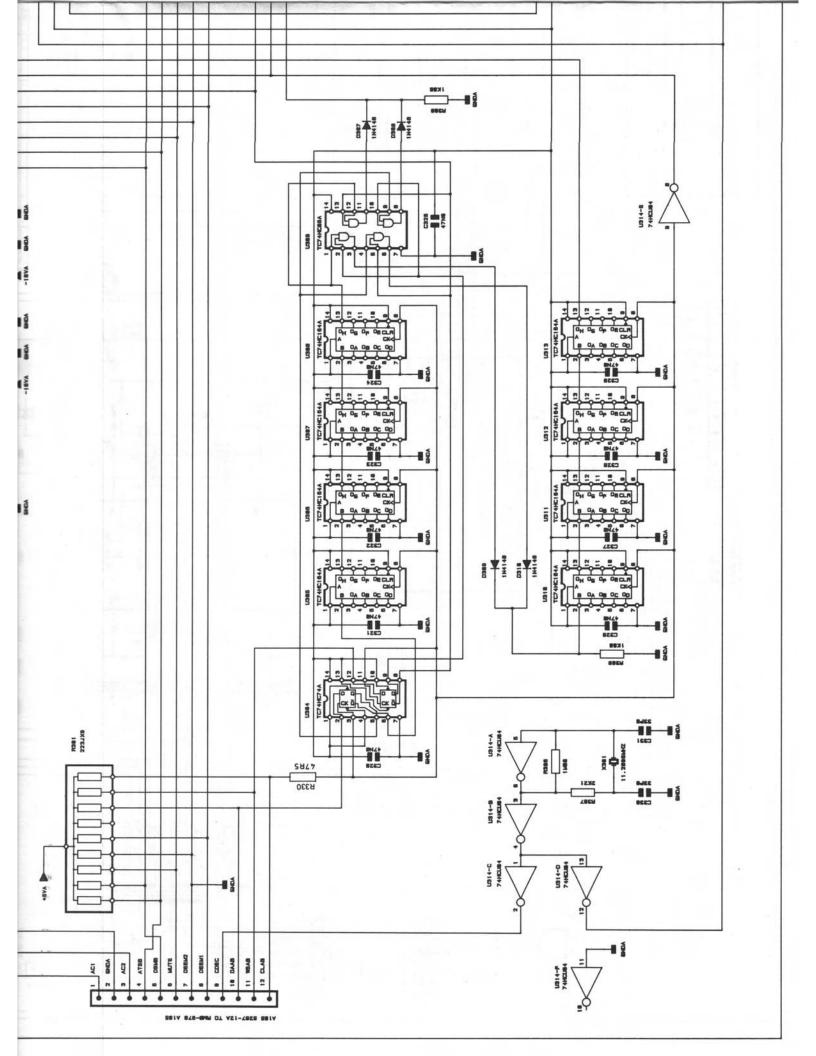


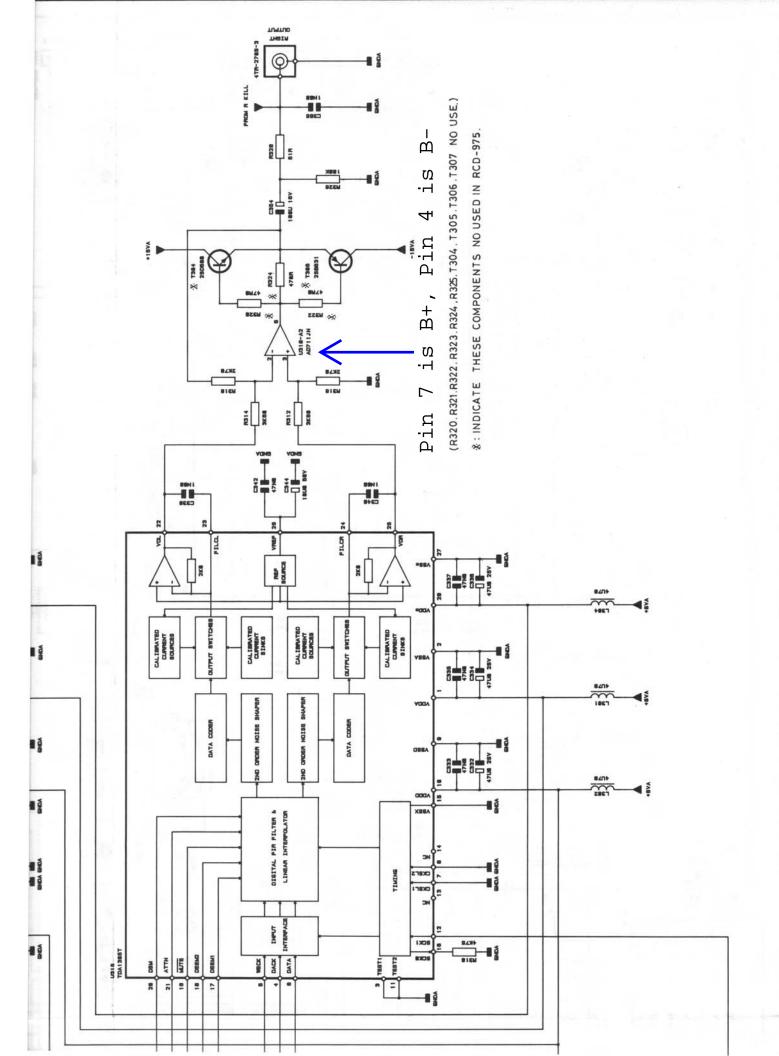






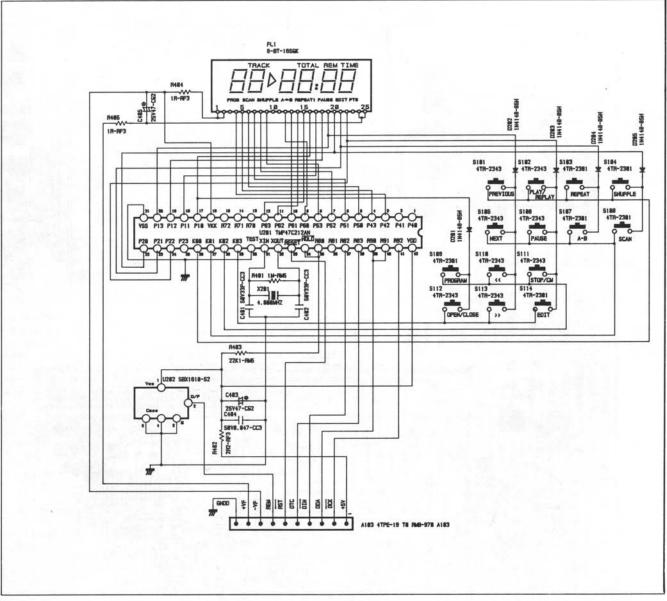




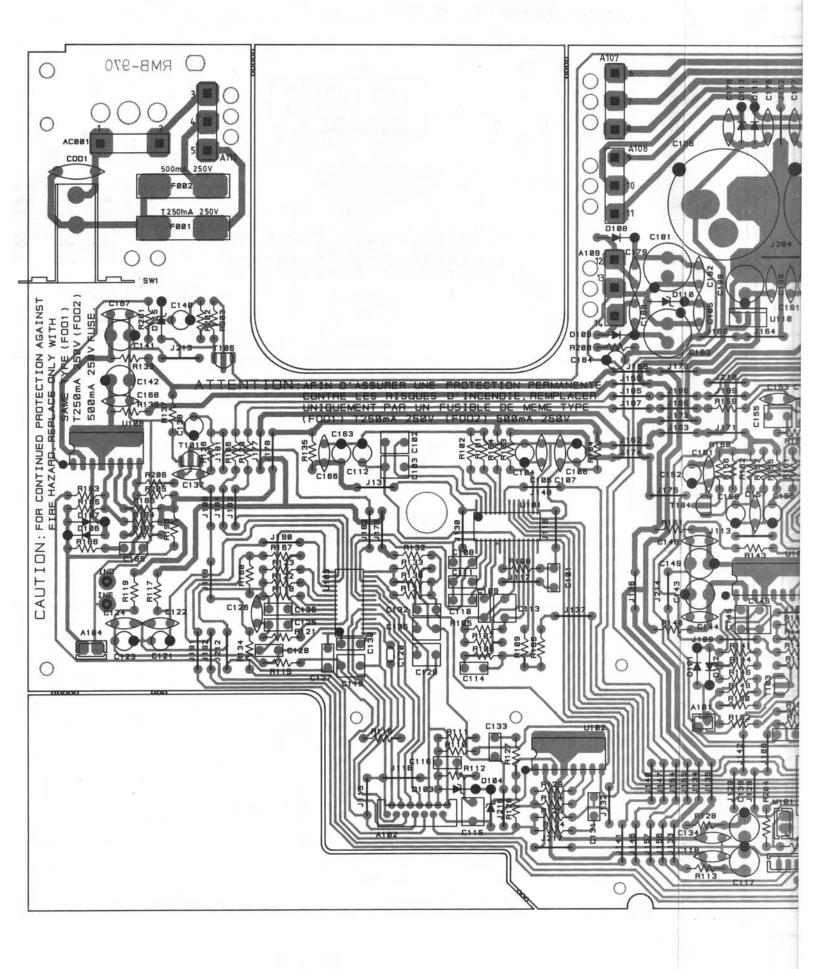


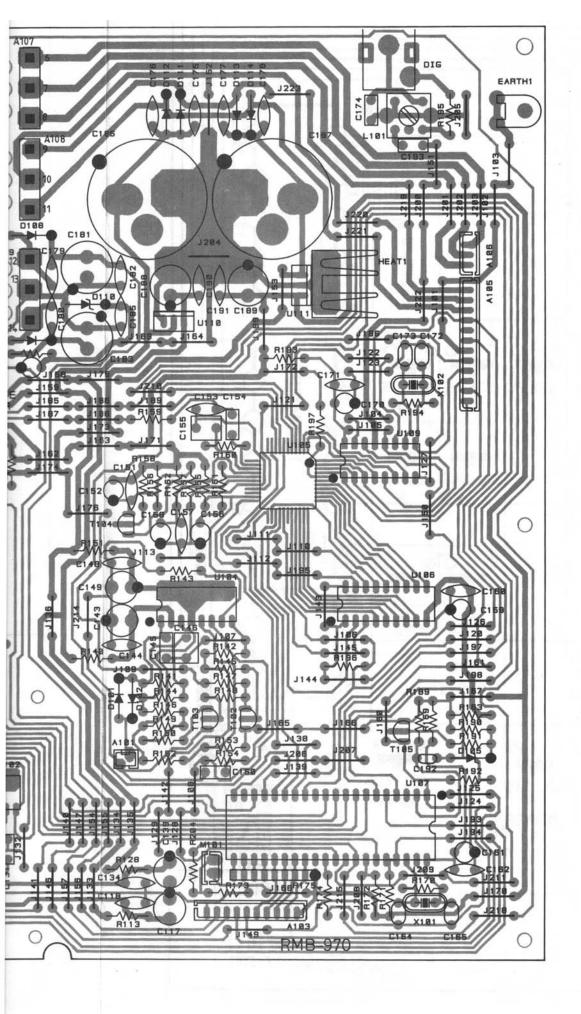
Schematic Diagram

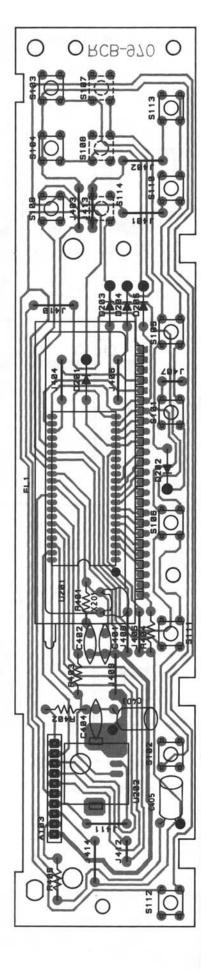
SCHEMATIC DIAGRAM MODEL NO. RCD-975 (3/3)



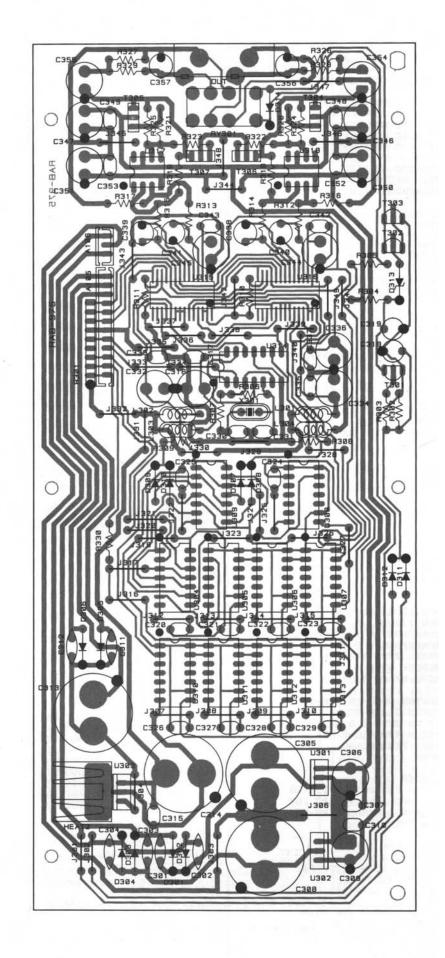
Printed Circuit Boards







Printed Circuit Boards



Parts List

NOTE: THE COMPONENTS INDENTIFIED BY A MARK ARE FOR SAFFTY.REPLACE ONLY WITH ORIGINAL PARTS.DO NOT SUBSTITUTE.

| R101 R102 R103,104 R105 R106 R107 R108 R109 R110 R111 R112 R113 R114 R115 R116 R117 R118 R119 | RMB-970 R2 RM54752810 RM52212811 RF52208020 RM52213815 RM51822812 RM51822812 RM51821819 RM51212815 RM55111811 RM55011813 RF53308022 RM53329813 RF51008023 RM53011813 RM54751816 | PCB ASSEMBLY R, METAL 47.5K 1/4W F R, METAL 22.1K 1/4W F R, FUSIBLE NFR252R2 (J) 0.33W R, METAL 221K 1/4W F R, METAL 18.2K 1/4W F R, METAL 1.82K 1/4W F R, METAL 1.82K 1/4W F R, METAL 5.11K 1/4W F R, METAL 3.01K 1/4W F R, FUSIBLE NFR253R3 (J) 0.33W R, METAL 33.2K 1/4W F | R168 R169 R170 R171-174 R175 R183 R184-187 R188 R189 R190-192 | RM51002810 RF52208020 RM11004717 RM52212811 RN32202081 RM54751816 | R, METAL 10K 1/4W F R, FUSIBLE NFR252R2 (J) 0.33W R, METAL 1M 1/4W F R, METAL 22.1K 1/4W F THICK FILM RS NETWORK SE8223J FU |
|--|--|--|--|--|---|
| R102 R103,104 R105 R106 R107 R108 R109 R110 R111 R112 R113 R114 R115 R116 R117 R118 R119 | RM52212811 RF52208020 RM52213815 RM51822812 RM51821819 RM51212815 RM55111811 RM53011813 RF53308022 RM53329813 RF51008023 RM53011813 | R, METAL 22.1K 1/4W F R, FUSIBLE NFR252R2 (J) 0.33W R, METAL 221K 1/4W F R, METAL 18.2K 1/4W F R, METAL 1.82K 1/4W F R, METAL 1.12.1K 1/4W F R, METAL 5.11K 1/4W F R, METAL 3.01K 1/4W F R, FUSIBLE NFR253R3 (J) 0.33W R, METAL 33.2K 1/4W F | R170 R171-174 R175 R183 R184-187 R188 R189 | RM11004717 RM52212811 RN32202081 RM54751816 | 0.33W R,METAL 1M 1/4W F R,METAL 22.1K 1/4W F THICK FILM RS NETWORK |
| R102 R103,104 R105 R106 R107 R108 R109 R110 R111 R112 R113 R114 R115 R116 R117 R118 R119 | RM52212811 RF52208020 RM52213815 RM51822812 RM51821819 RM51212815 RM55111811 RM53011813 RF53308022 RM53329813 RF51008023 RM53011813 | R, METAL 22.1K 1/4W F R, FUSIBLE NFR252R2 (J) 0.33W R, METAL 221K 1/4W F R, METAL 18.2K 1/4W F R, METAL 1.82K 1/4W F R, METAL 1.12.1K 1/4W F R, METAL 5.11K 1/4W F R, METAL 3.01K 1/4W F R, FUSIBLE NFR253R3 (J) 0.33W R, METAL 33.2K 1/4W F | R171-174 R175 R183 R184-187 R188 R189 | RM52212811 RN32202081 RM54751816 | R,METAL 1M 1/4W F R,METAL 22.1K 1/4W F THICK FILM RS NETWORK |
| R103,104 R105 R106 R107 R108 R109 R110 R111 R112 R113 R114 R115 R116 R117 R118 R119 | RF52208020 RM52213815 RM51822812 RM51821819 RM51212815 RM55111811 RM53011813 RF53308022 RM53329813 RF51008023 RM53011813 | R,FUSIBLE NFR252R2 (J) 0.33W R,METAL 221K 1/4W F R,METAL 18.2K 1/4W F R,METAL 1.82K 1/4W F R,METAL 12.1K 1/4W F R,METAL 5.11K 1/4W F R,METAL 3.01K 1/4W F R,FUSIBLE NFR253R3 (J) 0.33W R,METAL 33.2K 1/4W F | R171-174 R175 R183 R184-187 R188 R189 | RM52212811 RN32202081 RM54751816 | R,METAL 22.1K 1/4W F THICK FILM RS NETWORK |
| R105 R106 R107 R108 R109 R110 R111 R112 R113 R114 R115 R116 R117 R118 R119 | RM52213815 RM51822812 RM51821819 RM51212815 RM55111811 RM53011813 RF53308022 RM53329813 RF51008023 RM53011813 | 0.33W R,METAL 221K 1/4W F R,METAL 18.2K 1/4W F R,METAL 1.82K 1/4W F R,METAL 12.1K 1/4W F R,METAL 5.11K 1/4W F R,METAL 3.01K 1/4W F R,FUSIBLE NFR253R3 (J) 0.33W R,METAL 33.2K 1/4W F | R171-174 R175 R183 R184-187 R188 R189 | RM52212811 RN32202081 RM54751816 | R,METAL 22.1K 1/4W F THICK FILM RS NETWORK |
| R106 R107 R108 R109 R110 R111 R112 R113 R114 R115 R116 R117 R118 R119 | RM51822812 RM51821819 RM51212815 RM55111811 RM53011813 RF53308022 RM53329813 RF51008023 RM53011813 | R, METAL 221K 1/4W F R, METAL 18.2K 1/4W F R, METAL 1.82K 1/4W F R, METAL 12.1K 1/4W F R, METAL 5.11K 1/4W F R, METAL 3.01K 1/4W F R, FUSIBLE NFR253R3 (J) 0.33W R, METAL 33.2K 1/4W F | R175 R183 R184-187 R188 R189 | RN32202081 RM54751816 | THICK FILM RS NETWORK |
| R106 R107 R108 R109 R110 R111 R112 R113 R114 R115 R116 R117 R118 R119 | RM51822812 RM51821819 RM51212815 RM55111811 RM53011813 RF53308022 RM53329813 RF51008023 RM53011813 | R, METAL 18.2K 1/4W F R, METAL 1.82K 1/4W F R, METAL 12.1K 1/4W F R, METAL 5.11K 1/4W F R, METAL 3.01K 1/4W F R, FUSIBLE NFR253R3 (J) 0.33W R, METAL 33.2K 1/4W F | R183 R184-187 R188 R189 | RM54751816 | |
| R107 R108 R109 R110 R111 R112 R113 R114 R115 R116 R117 R118 R119 | RM51821819 RM51212815 RM55111811 RM53011813 RF53308022 RM53329813 RF51008023 RM53011813 | R, METAL 1.82K 1/4W F R, METAL 12.1K 1/4W F R, METAL 5.11K 1/4W F R, METAL 3.01K 1/4W F R, FUSIBLE NFR253R3 (J) 0.33W R, METAL 33.2K 1/4W F | R184-187 R188 R189 | | |
| R107 R108 R109 R110 R111 R112 R113 R114 R115 R116 R117 R118 R119 | RM51821819 RM51212815 RM55111811 RM53011813 RF53308022 RM53329813 RF51008023 RM53011813 | R, METAL 1.82K 1/4W F R, METAL 12.1K 1/4W F R, METAL 5.11K 1/4W F R, METAL 3.01K 1/4W F R, FUSIBLE NFR253R3 (J) 0.33W R, METAL 33.2K 1/4W F | R184-187 R188 R189 | | R.METAL 4.75K 1/4W F |
| R108 R109 R110 R111 R112 R113 R114 R115 R116 R117 R118 R119 | RM51212815 RM55111811 RM53011813 RF53308022 RM53329813 RF51008023 RM53011813 | R, METAL 12.1K 1/4W F R, METAL 5.11K 1/4W F R, METAL 3.01K 1/4W F R, FUSIBLE NFR253R3 (J) 0.33W R, METAL 33.2K 1/4W F | R188 R189 | | R, METAL 4./SK 1/4W F |
| R109 R110 R111 R112 R113 R114 R115 R116 R117 R118 R119 | RM55111811 RM53011813 RF53308022 RM53329813 RF51008023 RM53011813 | R,METAL 5.11K 1/4W F R,METAL 3.01K 1/4W F R,FUSIBLE NFR253R3 (J) 0.33W R,METAL 33.2K 1/4W F | R188 R189 | RM51212815 | R, METAL 12.1K 1/4W F |
| R110 R111 R112 R113 R114 R115 R116 R117 R118 R119 | RM53011813 RF53308022 RM53329813 RF51008023 RM53011813 | R,METAL 3.01K 1/4W F R,FUSIBLE NFR253R3 (J) 0.33W R,METAL 33.2K 1/4W F | R189 | RM52219817 | R, METAL 22.1 1/4W F |
| R111 R112 R113 R114 R115 R116 R117 R118 R119 | RM53329813 RF51008023 RM53011813 | 0.33W R,METAL 33.2K 1/4W F | | RM52212811 | R, METAL 22.1K 1/4W F |
| R112 R113 R114 R115 R116 R116 R117 R118 R119 | RM53329813 RF51008023 RM53011813 | 0.33W R,METAL 33.2K 1/4W F | | RM51001816 | R, METAL 1K 1/4W F |
| R113 R114 R115 R116 R117 R118 R119 | RF51008023 RM53011813 | R, METAL 33.2K 1/4W F | | 14102002020 | , |
| R113 R114 R115 R116 R116 R117 R118 R119 | RF51008023 RM53011813 | | R193 | RF52208020 | R, FUSIBLE NFR252R2 (J) |
| R114 R115 R116 R117 R118 R119 | RM53011813 | | | | 0.33W |
| R115 R116 R117 R118 R119 | | R, FUSIBLE NFR251R (J) 0.33W | R195 | RM57509810 | R,METAL 75R 1/4W F |
| R116 R117 R118 R119 | RM54751816 | R, METAL 3.01K 1/4W F | R196 | RM54751816 | R,METAL 4.75K 1/4W F |
| R116 R117 R118 R119 | RM54/51810 | D MEMAL A 754 1 /AM P | R197 | RM52212811 | R, METAL 22.1K 1/4W F |
| R117 R118 R119 | DME1002012 | R, METAL 4.75K 1/4W F | 1250.0002220 | | |
| R118 R119 | RM51003813 RF52208020 | R,METAL 100K 1/4W F R,FUSIBLE NFR252R2 (J) | R198 | RM55620810 | R, METAL 562 1/4W F |
| R119 | Nr 52208020 | 0.33W | R200 | RM52210814 | R, METAL 221 1/4W F |
| R119 | RM51212815 | R, METAL 12.1K 1/4W F | R201 | RM52211818 | R, METAL 2.21K 1/4W F |
| | 10101212010 | NUMBER DE LA | R202,203 | RM54751816 | R, METAL 4.75K 1/4W F |
| | FR52208020 | R, FUSIBLE NFR252R2 (J) | R204 | RM51001816 | R,METAL 1K 1/4W F |
| | 1102200020 | 0.33W | 0005 | DME1E02017 | D MEMAL 15K 1/4 W E |
| R120 | RM51000812 | R, METAL 100 1/4W F | R205 | RM51502817 | R, METAL 15K 1/4 W F |
| R121 | RM51001816 | R, METAL 1K 1/4W F | R206 C001 | RM51001816 CK00000035 | R,METAL 1K 1/4W F SPARK KILLER DE7150F472M |
| R122 | RM52432811 | R, METAL 24.3K 1/4W F | C101 | CQ62208423 | CAP, M.P 63V 220NF |
| | | | C102,103 | CP58210404 | CAP, P.P TKP30-63V822F |
| R123 | RM55621813 | R, METAL 5.62K 1/4W F | 10102,103 | CF30210404 | CAP, F.F INFSU-05V0221 |
| | RM55622817 | RyMETAL 56.2K 1/4W F | C104 | CE44706643 | CAP, ELEC. 25V 47uF |
| R125 | RM53923824 | R, METAL 392K 1/4W F | C104 | CC44709422 | CAP, CERAMIC DSXE65TKY473Z |
| R126 | RM52749818 | R, METAL 27.4K 1/4W F | C106 | CE94706643 | CAP, ELEC. 25V 47uF |
| R127 | RM52219817 | R, METAL 22.1 1/4W F | C107 | CC44709422 | CAP, CERAMIC DSXE65TKY473Z |
| | | and a second second statement and second | C108 | CQ61010421 | CAP, M.P 63V 1000PF |
| | RF51008023 | R, FUSIBLE NFR251R (J) 0.33W | 0.00 | | |
| R129 | RM58252818 | R, METAL 82.5K 1/4W F | C109 | CQ62208423 | CAP, M.P 63V 220NF |
| | RM51503810 | R, METAL 150K 1/4W F | C110,111 | CQ63309429 | CAP, M.P 63V 33000PF |
| R131 | RM51213819 | R, METAL 121K 1/4W F | C112 | CE94706643 | CAP, ELEC. 25V 47uF |
| R132 | RM53924818 | R,METAL 3.9M 1/4W F | C113 | CQ63308425 | CAP, M.P 63V 330NF |
| | | D 10001 11 01 1 //11 D | C114 | CQ64709427 | CAP, M.P 63V47000PF |
| | RM51132819 | R, METAL 11.3K 1/4W F | 10000 | | |
| R134 | RF51209028 | R, FUSIBLE NFR2512R (J) | C115 | CQ64708423 | CAP, M.P 63V 470NF |
| 5105 | DEE2200020 | 0.33W | C116 | CQ61008426 | CAP, M. P 63V 100NF |
| R135 RF52 | RF52208020 | R,FUSIBLE NFR252R2 (J) 0.33W | C117 | CE02205255 | CAP, ELEC. 25V 220uF |
| | | 0.33W | C118 | CC44709422 | CAP, CERAMIC DSXE65TKY473Z |
| R136 | RM51000812 | R, METAL 100 1/4W F | C119 | CQ62209427 | CAP, M.P 63V 22000PF |
| | RF51809020 | R, FUSIBLE NFR2518R (J) | 0100 | 0064011410 | |
| RIS/ | RF51005020 | 0.33W | C120 | CC64711410 | CAP, CERAMIC 550V471J NPO |
| R138-140 | RF51008023 | R, FUSIBLE NFR251R (J) 0.33W | C121 | CE94706643 | CAP, ELEC. 25V 47uF |
| R141 | RM52003810 | R, METAL 200K 1/4W F | C122 | CC44709422 | CAP, CERAMIC DSXE65TKY473Z |
| | 14102000010 | 1,1121112 20011 2, 11 1 | C123 | CE94706643 | CAP, ELEC. 25V 47uF |
| R142 | RM56813813 | R,METAL 681K 1/4W F | C124 | CC44709422 | CAP, CERAMIC DSXE65TKY473Z |
| R143 | RM58252818 | R, METAL 82.5K 1/4W F | C125 | CQ61010421 | CAP, M.P 63V 1000PF |
| R144 | RM51503810 | R, METAL 150K 1/4W F | C125 | CC11011417 | CAP, CERAMIC 50V 100P |
| R145 | RM53322818 | R, METAL 33.2K 1/4W F | C120 | CQ64709427 | CAP, M.P 63V 47000PF |
| | | | C128 | C062210429 | CAP, M.P 63V 2200PF |
| R146 | RM55621813 | R, METAL 5.62K 1/4W F | C129 | C064708423 | CAP, M.P 63V 2200FF |
| R14,148 | RM54751816 | R, METAL 4.75K 1/4W F | | 0201/00120 | |
| R149 | RM53321814 | R, METAL 3.32K 1/4W F | C130 | CQ61009420 | CAP, M.P 63V 10000PF |
| R150 | RM51211811 | R, METAL 1.21K 1/4W F | C131 | CQ62208423 | CAP, M.P 63V 220NF |
| R151 | RF51008023 | R,FUSIBLE NFR251R(J) 0.33W | C132 | CQ64710429 | CAP, M.P 63V 4700PF |
| R152 | RM59092811 | R,METAL 90.9K 1/4W F | C133 | CQ61008426 | CAP, M.P 63V 100NF |
| R153 | RM51003813 | R, METAL 100K 1/4W F | C134 | CC44709422 | CAP, CERAMIC DSXE65TKY473Z |
| R154 | RM54752810 | R, METAL 47.5K 1/4W F | | | n manadananan nasar satar isi internatia di kana kana kana kana kana kana kana kan |
| R155 | RM54751816 | R, METAL 4.75K 1/4W F | C135 | CQ64708423 | CAP, M.P 63V 470NF |
| R156 | RM53921817 | R, METAL 3.92K 1/4W F | C136 | CQ62208423 | CAP, M.P 63V 220NF |
| one al | | the personality and senate whether - | C137 | CC52211425 | CAP, CERAMIC 50V 220PF |
| R157 | RM59091818 | R,METAL 9.09K 1/4W F | C138 | CE94706643 | CAP, ELEC. 25V 47uF |
| R158 | RM51581810 | R, METAL 1.58K 1/4W F | C139 | CE02205255 | CAP, ELEC. 25V 220uF |
| R159 | RM52211818 | R, METAL 2.21K 1/4W F | 1000000 | Sector party against a succession | |
| R160 | RM52212811 | R, METAL 22.1K 1/4W F | C140 | CE41006500 | CAP, ELEC. 50V 10uF |
| R161 | RM57509810 | R,METAL 75R 1/4W F | C141-143 | CE02205255 | CAP, ELEC. 25V 220uF |
| 0160 160 | DECOCOCCC | | C144 | CC44709422 | CAP, CERAMIC DSXE65TKY473Z |
| R162,163 | RF52208020 | R, FUSIBLE NFR252R2 (J) | C145 | CQ62210429 | CAP, M.P 63V 2200PF |
| | | 0.33W | C146 | CQ63308425 | CAP, M.P 63V 330NF |
| D164 | DMEDDIDDIT | R,METAL 22.1K 1/4W F R,METAL 221K 1/4W F | C148 | 0011000100 | |
| R164 R165 | RM52212811 RM52213815 | MUNIAL VILLA S | 1 1 1 1 1 1 | CC44709422 | CAP, CERAMIC DSXE65TKY473Z |

Parts List

| SYMBOL | 2011 0 110 0 11000 11 | | | | |
|---|--|---|--|--|---|
| | PARTS NO. | DESCRIPTION | SYMBOL | PARTS NO. | DESCRIPTION |
| C150 | CQ61809423 | CAP, M.P 63V 18000PF | R401 | RM51004817 | R, METAL 1M 1/4W F |
| C151 | CC44709422 | CAP, CERAMIC DSXE65TKY473Z | R402 | RF52208020 | R, FUSIBLE NFR252R2 0.33W |
| C152 | CE94706643 | CAP, ELEC. 25V 47uF | R403 | RM52212811 | R, METAL 22.1K 1/4W F |
| | | | R404,405 | RF51008023 | R, FUSIBLE NFR251R 0.33W |
| 2153 | CC54712429 | CAP, CERAMIC 50V 47P | \$101,102 | SH60000240 | KEY BOARD SW 4TR-2343 |
| C154 | CQ62210429 | CAP, M. P 63V 2200PF | | | |
| 2155 | CQ63308425 | CAP, M. P 63V 330NF | \$103,104 | SH60000380 | KEY BOARD SW 4TR-3185 |
| 2156 | CE92207441 | CAP, ELEC. 50V 2.2uF | \$105,106 | SH60000240 | KEY BOARD SW 4TR-2343 |
| | CC44709422 | CAP, CERAMIC DSXE65TKY473Z | \$107-109 | | KEY BOARD SW 4TR-3185 |
| 2157 | CC44709422 | CAP, CERAMIC DEALOSIRIA, OD | S101-113 | | KEY BOARD SW 4TR-2343 |
| 1 50 1 50 | 0004006640 | CAP, ELEC. 25V 47uF | S114 | SH60000380 | KEY BOARD SW 4TR-3185 |
| :158,159 | CE94706643 | CAP, CERAMIC DSXE65TKY473Z | 2114 | 5000000000 | KEI BOARD SW 41K-S105 |
| 2160 | CC44709422 | | | RAB-975 PCB | ACCEMPTY |
| 2161 | CE94706643 | CAP, ELEC. 25V 47uF | | RAD-975 PCB | ASSEMBLI |
| C162 | CC44709422 | CAP, CERAMIC DSXE65TKY473Z | D201 | DV222202022 | MUTOK BILM DO NEMHODY |
| 2163 | CE94706643 | CAP, ELEC. 25V 47uF | R301 | RN32202093 | THICK FILM RS NETWORK |
| | | AND OFFICIATE MEOU2207 | R302 | RM51002810 | R, METAL 10K 1/4W F |
| :164,165 | CC63312416 | CAP, CERAMIC T50V330J | R303 | RM53922810 | R, METAL 39.2K 1/4W F |
| 166 | CC44709422 | CAP, CERAMIC DSXE65TKY473Z | R304 | RM52213815 | R,METAL 221K 1/4W F |
| 168 | CC44709422 | CAP, CERAMIC DSXE15TKY473Z | | | |
| 169 | CQ61008426 | CAP, M.P 63V 100NF | R305 | RM92200923 | R, METAL 220 1/2W J |
| 170 | CE94706643 | CAP, ELEC. 25V 47uF | R306 | RM11004717 | R,METAL MRS251M 0.6W |
| | | | R307 | RM52211818 | R, METAL 2.21K 1/4W F |
| 171 | CC44709422 | CAP, CERAMIC DSXE65TKY473Z | R308,309 | RM51001816 | R,METAL 1K 1/4W F |
| 174 | CQ61008426 | CAP, M.P 63V 100NF | R310,311 | RM54751816 | R, METAL 4.75K 1/4W |
| 175-180 | | CAP, CERAMIC 250V 0.01uF | CONTRACTOR (CONTRACT) | same and the second states of the | an natura mu - an sili sero sa kutifa |
| 181 | CE01004163 | CAP, ELEC. 16V 1000uF | R312-315 | RH13601019 | R,METAL O3K6 F T-1 |
| 182 | CC44709422 | CAP, CERAMIC DSXE65TKY473Z | R316-319 | RH12701018 | R,METAL 02K7 F T-1 |
| 102 | 0044/09422 | Star , Children Donado Star 1 00 | R320-323 | RM14709710 | R,METAL MRS2547R 0.6W |
| 183 | CE04705255 | CAP, ELEC. 25V 470uF | R324,325 | RM14700718 | R, METAL MRS25470R 0.6W |
| 183 184 | CE04705255 CE41005257 | CAP, ELEC. 25V 4700F | R326,327 | RM11003713 | R, METAL MRS25100K 0.6W |
| | | CAP, CERAMIC DSXE65TKY473Z | K320, 527 | RH11005/15 | R, HEIRE PROZOTOOR 0.0W |
| 185 | CC44709422 | | R328,329 | RM15109714 | R, METAL MRS2551R 0.6W |
| 2186,187 | CE14704259 | CAP, ELEC. 25V 1700uF | | RM54759815 | R, METAL 47.5 F 1/4W |
| 2188,189 | CE04705255 | CAP, ELEC. 25V 470uF | R330 | | |
| | | | C301-304 | CC01009256 | CAP, CERAMIC 250V 0.01uF |
| :190,191 | CC44709422 | CAP, CERAMIC DSXE65TKY473Z | C305 | CE02204251 | CAP, ELEC. 25V 2200uF |
| 2192 | CC64711410 | CAP, CERAMIC T50V 471J | C306 | CE51005679 | CAP, ELEC. 25BGF100M |
| 2193 | CQ61008426 | CAP, M. P 63V 100NF | | | |
| 0101,102 | DD80000033 | DIODE IN4002-TB | C307 | CC64709439 | CAP, LAYER CER. 064 T50V473K |
| 0103,104 | DD20000375 | DIODE BZX79-C7V5 | C308 | CE02204251 | CAP, ELEC. 25V 2200uF |
| | | A CANADA AND A CANADA | C309 | CE51005679 | CAP, ELEC. 25BGF100M |
| D105 | DD20000399 | DIODE BZX79-C3V9 | C310 | CC64709439 | CAP, LAYER CER. 046 T50V473K |
| 0106-109 | DD80000033 | DIODE IN4002-TB | C311,312 | CC01009256 | CAP, CERAMIC 250V 0.01uF |
| 0110 | DD20000429 | DIODE BZX79C-C20 | | | |
| 0111-114 | DD80000033 | DIODE UN4002-TB | C313 | CE51003774 | CAP, ELEC. 16V 10000uF 🛆 |
| 0115 | DD20000430 | DIODE BZX79-C5V1 | C314 | CE71004255 | CAP, ELEC. 041 ECEA1EF102 |
| | | | C315,317 | CC64709439 | CAP, LAYER CER. 046 T50V473K |
| 101 | DD60000350 | CERAMIC RESONATOR 4.0000MHz | C316 | CE64706677 | CAP, ELEC. 25BGF47M |
| 101 | TR70000066 | TRANSISTOR BC338-25 | C318 | CE41007503 | CAP, ELEC 50V luF |
| 102,103 | TR70000110 | TRANSISTOR BC558B | | | |
| 104 | TR70000121 | TRANSISTOR BF450 | C319 | CC47005257 | CAP, ELEC. 25V 100uF |
| 104 | TR70000121 | TRANSISTOR BC558B | C320-329 | CC64709439 | CAP, LAYER CER T50V 473K |
| 105 | 18/0000110 | TRANSISTOR BC556B | C330,331 | CC63312416 | CAP, LAYER CER. 046 T50V330J |
| 106 | mp70000104 | MDANGTOMOD DOE 47D | C332 | CE64706677 | CAP, ELEC. 25BGF47M |
| 106 | TR70000194 | TRANSISTOR BC547B | C333 | CC64709439 | CAP, LAYER CER. T50V 473K |
| 101 | 1C00002879 | IC TDA8809T/C2 | 0000 | | |
| 102 | IC00002806 | IC TCA0372/DP2 | C334,336 | CE64706677 | CAP, ELEC. 25BGF47M |
| 103 | IC00002867 | IC TDA8808T/C3 | | CC64709439 | CAP, LAYER CER. T50V 473K |
| 104 | IC00002806 | IC TCA372/DP2 | C335,337 | | CAP, POLYSTYRENE 160V 1000PF |
| 1.1 | | | C338-341 | CS31010317 | 한 것 이 것 같은 |
| J105 | IC00002909 | IC SAA7310GP | C342,343 | CC64709439 | CAP, LAYER CER. T50V 473K |
| J106 | IC00002764 | IC MN4264P-15 | C344,345 | CE51006477 | CAP, ELEC. 25BGF10M |
| 1107 | IC00003501 | IC MC68HC05D9P/P132 | 0016 015 | 0051005400 | CAR FIED DEPOPION |
| 108 | IC00002806 | IC TCA0372/DP2 | C346,347 | CE51005679 | CAP, ELEC. 25BGF100M |
| 109 | IC00003537 | IC PCF2705P | C348,349 | CC64709439 | CAP, LAYER CER. T50V 473K |
| | | | C350,351 | CE51005679 | CAP, ELEC. 25BGF100M |
| | IC00002778 | IC NJM79M05A | C352,353 | CC64709439 | CAP, LAYER CER. T50V 473K |
| 1110 | IC00000615 | IC NJM78M05 | C354,355 | CE61005743 | CAP, ELEC. 16BGF100M |
| | | COIL TRL-385 | | | and the second se |
| J111 | LC23850008 | POWER SW C-3600B-T | C356,357 | CS31010317 | CAP, POLYSTYRENE 160V 1000PF |
| J110 J111 L101 | LC23850008 | | D301-306 | DD80000033 | DIODE IN4002-TB |
| J111 J01 | LC23850008 SH40000120 | roman an a accord r | | DD80000021 | DIODE IN4148-86 |
| 1111 101 | | | D307-310 | | |
| 111 101 | SH40000120 | | D307-310 D311.312 | | |
| 111 101 | | | D311,312 | DD8000033 | DIODE IN4002-TB |
| 111 101 W1 | SH40000120 RCB-970 PCI | B ASSEMBLY | | | |
| 111 101 W1 201-205 | SH40000120 RCB-970 PCI DD80000021 | B ASSEMBLY DIODE IN4148-86 | D311,312 D313 | DD80000033 DD20000375 | DIODE IN4002-TB DIODE ZENER BZX79-C7V5 |
| 1111 101 W1 2201-205 | SH40000120 RCB-970 PCI DD80000021 IC00003598 | B ASSEMBLY DIODE IN4148-86 IC TMP47C212AN/3312 | D311,312 D313 D314 | DD80000033 DD20000375 DD80000033 | DIODE IN4002-TB DIODE ZENER BZX79-C7V5 DIODE IN4002-TB |
| 111 101 W1 201-205 201 | SH40000120 RCB-970 PCI DD80000021 | B ASSEMBLY DIODE IN4148-86 IC TMP47C212AN/3312 IC REMOTE RECEIVER | D311,312 D313 D314 X301 | DD80000033 DD20000375 DD80000033 DD60000337 | DIODE IN4002-TB DIODE ZENER BZX79-C7V5 DIODE IN4002-TB CRYATAL OSC. 11.2896MHz |
| 111 101 W1 201-205 201 | SH40000120 RCB-970 PCI DD80000021 IC00003598 | B ASSEMBLY DIODE IN4148-86 IC TMP47C212AN/3312 | D311,312 D313 D314 X301 T301 | DD80000033 DD20000375 DD80000033 DD60000337 TR70000200 | DIODE IN4002-TB DIODE ZENER BZX79-C7V5 DIODE IN4002-TB CRYATAL OSC. 11.2896MHz TRANSISTOR BC557B |
| 111 101 W1 201-205 201 202 | SH40000120 RCB-970 PCI DD80000021 IC00003598 | B ASSEMBLY DIODE IN4148-86 IC TMP47C212AN/3312 IC REMOTE RECEIVER | D311,312 D313 D314 X301 T301 T302,303 | DD80000033 DD20000375 DD80000033 DD60000337 TR70000200 TR70000194 | DIODE IN4002-TB DIODE ZENER BZX79-C7V5 DIODE IN4002-TB CRYATAL OSC. 11.2896MHz TRANSISTOR BC557B TRANSISTOR BC547B |
| 111 101 w1 201-205 201 202 | SH40000120 RCB-970 PCI DD80000021 IC00003598 IC00002960 | DIODE IN4148-86 IC TMP47C212AN/3312 IC REMOTE RECEIVER SBX1610-52 | D311,312 D313 D314 X301 T301 | DD80000033 DD20000375 DD80000033 DD60000337 TR70000200 | DIODE IN4002-TB DIODE ZENER BZX79-C7V5 DIODE IN4002-TB CRYATAL OSC. 11.2896MHz TRANSISTOR BC557B |
| 1111 101 W1 2201-205 201 2202 FL1 | SH40000120 RCB-970 PCI DD80000021 IC00003598 IC00002960 | B ASSEMBLY DIODE IN4148-86 IC TMP47C212AN/3312 IC REMOTE RECEIVER SBX1610-52 FL TUBE 6-BT-165GK | D311,312 D313 D314 X301 T301 T302,303 T304,305 | DD80000033 DD20000375 DD80000033 DD60000337 TR70000200 TR70000194 TR40000069 | DIODE IN4002-TB DIODE ZENER BZX79-C7V5 DIODE IN4002-TB CRYATAL OSC. 11.2896MHz TRANSISTOR BC557B TRANSISTOR BC547B TRANSISTOR 2SD600KE/KF |
| 1111 101 W1 0201-205 1201 1202 121 2201 | SH40000120 RCB-970 PCI DD80000021 IC00003598 IC00002960 DD40001385 DD60000350 | B ASSEMBLY DIODE IN4148-86 IC TMP47C212AN/3312 IC REMOTE RECEIVER SBX1610-52 FL TUBE 6-BT-165GK CERAMIC RESONATOR 4.0000MHZ | D311,312 D313 D314 X301 T301 T302,303 | DD80000033 DD20000375 DD80000033 DD60000337 TR70000200 TR70000194 | DIODE IN4002-TB DIODE ZENER BZX79-C7V5 DIODE IN4002-TB CRYATAL OSC. 11.2896MHz TRANSISTOR BC557B TRANSISTOR BC547B TRANSISTOR 2SD600KE/KF TRANSISTOR 2SB631KE/KF |
| 1111 101 W1 201-205 1201 1202 TL1 1201 1401-402 | SH40000120 RCB-970 PCI DD80000021 IC00003598 IC00002960 DD40001385 DD60000350 CC53312419 | B ASSEMBLY DIODE IN4148-86 IC TMP47C212AN/3312 IC REMOTE RECEIVER SBX1610-52 FL TUBE 6-BT-165GK CERAMIC RESONATOR 4.0000MHZ CAP, CERAMIC 50V 33P | D311,312 D313 D314 X301 T301 T302,303 T304,305 | DD80000033 DD20000375 DD80000033 DD60000337 TR70000200 TR70000194 TR40000069 | DIODE IN4002-TB DIODE ZENER BZX79-C7V5 DIODE IN4002-TB CRYATAL OSC. 11.2896MHz TRANSISTOR BC557B TRANSISTOR BC547B TRANSISTOR BC547B TRANSISTOR 2SD600KE/KF |
| J111 | SH40000120 RCB-970 PCI DD80000021 IC00003598 IC00002960 DD40001385 DD60000350 | B ASSEMBLY DIODE IN4148-86 IC TMP47C212AN/3312 IC REMOTE RECEIVER SBX1610-52 FL TUBE 6-BT-165GK CERAMIC RESONATOR 4.0000MHZ | D311,312 D313 D314 X301 T301 T302,303 T304,305 T306,307 | DD80000033 DD20000375 DD80000033 DD60000337 TR70000200 TR70000194 TR40000069 TR10000047 | DIODE IN4002-TB DIODE ZENER BZX79-C7V5 DIODE IN4002-TB CRYATAL OSC. 11.2896MHz TRANSISTOR BC557B TRANSISTOR BC547B TRANSISTOR 2SD600KE/KF TRANSISTOR 2SB631KE/KF |

| SYMBOL | PARTS NO. | DESCRIPTION |
|--------------------------|----------------|--|
| U302 | IC00001565 | IC NJM79M15 |
| U303 | IC00000615 | IC NJM78M05 |
| U304 | IC00003835 | IC TC74HC74AP |
| U305-308 | IC00003847 | IC TC74HC164AP |
| U309 | IC00003823 | IC TC74HC08AP |
| U310-313 | IC00003847 | IC TC74HC164AP |
| U314 | IC00003689 | IC TC74HCU04AP |
| U315,316 | 1C00003914 | IC TDA1305T2X/2Y |
| U317,318 | IC00003021 | IC AD711JN |
| L301-304 | LM00000486 | MICRO INDUCTOR 4.7UH |
| RY301 | LY00000459 | RELAY RSA-12 |
| | | |
| OTHERS | | |
| | | |
| AB00000791 AF50000066 | | ARD 2TPE-18 SSIS 2TPE-3 |
| AR50000137 | | EAR CHASSIS TRP-656 |
| AS01000464 | SIDE CHASS | SIS (L) 3TPE-16#1 |
| AS02000277 | SIDE CHASS | SIS (R) 3TPE-16#2 |
| DI00001399 | COMPACT D | ISC LOADER ASS'Y |
| 0100001399 | L912-04/CI | |
| FT00000229 | PLASTIC FO | DOT (BK) 4TSH-19#2 |
| | 50Fx14H | |
| OM70000442 SB00001113 | | FON CONNECTOR 3TPE-7A ELD PLATE 4TPE-12 |
| 3600001113 | F.V.C Shin | SDD FDATE 41FE-12 |
| SC00000027 | | TOPPER SR-4N-4 |
| SG00000950 | | E 4TR-2871#1 60F |
| SP10007112 SP10007239 | | PORT 3TPE-17 RT 3TPE-23 |
| SR00001333 | | JBBER SPACER |
| | 4TR-3131 | |
| | | |
| CD00000218 | AC CORD SI | PT-2 AWG#18 -U,C,A,J ⚠ |
| CD00000048 | AC POWER (| CORD_4TR-1037 |
| | H, E, Y1, Y2 | , S1 🛆 |
| CD00000528 | | D3VVH2-F 4TR-3083 |
| | KI 🖄 | |
| CD00000322 | AC POWER | CORD OKA 4TR-2757-D |
| CD00000115 | AC POWER | CORD C-3763-T-G1 🛆 |
| NP00001949 | | TR-2828A#1 TNP-382 |
| NP00002012 NP00002140 | | FR-2828A#6 TNP-391 FR-2828A#11 TNP-398 |
| NF00002140 | | |
| FU25000016 | FUSE 250V | 500mA UL/CSA |
| FU23000384 | | T250MA |
| PT00000400 PT00000370 | POWER TRAI | NSFORMER T-1046A01 🛆 NSFORMER T-1046N01 🛆 |
| AA50000156 | | EL 2TPE-1#2 TFP-724 |
| AW00000745 | | DOW 4TPE-8 |
| BU00001145 | POWER RING | G W/LED 4TQF-13 |
| КВ20002681 | POWER BUT | TON 4TQF-15 14x14 |
| KB20002796 | | ON 3 KEY 3TQP-2 |
| KB20003119 | | ON STPE-6 6 KEY |
| KB20003120 | | ON 4TPE-10 2 KEY |
| OM10001260 | 4TR-2797# | L SIDE BOARD |
| Contraction of | | A State of the second second second |
| DD4000095 | | |
| OM70000065 | | ON CONNECTOR 4TTL-15 RING 4TR-1988A#2 10F |
| SN00000179 AG00000457 | | NTROL HANDSET RR-924 |
| AU00001250 | | |
| | | |
| OM10001727 OM10001776 | | C DOOR 3TPE-5 DOOR 4TPE-11 |
| OM10001778 | | NTAL PLATE 4TPE-9#1 |
| OM70000168 | FILTER BO | ARD 4TSJ-9#2 |
| ОМ70000193 | FILTER BO | ARD 4TSJ-9#3] |
| SR00000882 | UPPER COV | ER SPACER 4TR-2418 |
| MN10003517 | | ANUAL RCD-975 |
| PL00001300 | STYROL SI | DE MOULDING |
| TN10004621 | 2TPE-22A# | 2 TZ-194B RTON RCD-975 |
| 1110004621 | 4TPE-14#1 | ATOM RCD-9/3 |
| | and a superior | |