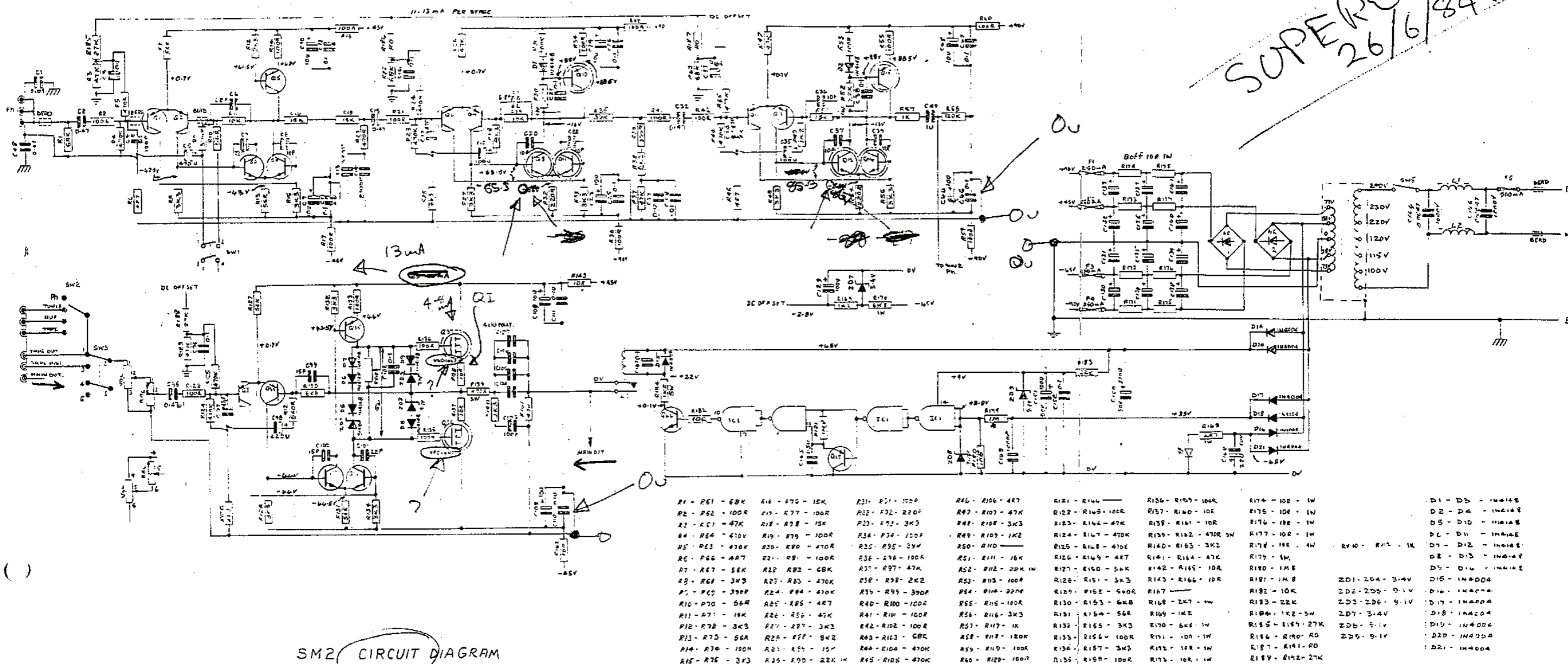


SUPERCEDED
26/6/84.



SM2 CIRCUIT DIAGRAM
S-12-83

* R179 1M FOR ZDB 1/2W
IF ZDB IS 1/2W THEN R179 IS 100K

- | | | | | | | | |
|-------------------|--------------------|-------------------|--------------------|-----------------------|-----------------------|------------------|-------------------|
| R1 - R61 - 68K | R16 - R76 - 15K | R31 - R41 - 100K | R46 - R56 - 47K | R121 - R131 - 100K | R136 - R146 - 100K | R174 - R184 - 1W | D1 - D3 - 1N4148 |
| R2 - R62 - 100K | R17 - R77 - 100K | R12 - R22 - 220K | R47 - R57 - 47K | R122 - R132 - 100K | R137 - R147 - 10K | R175 - R185 - 1W | D2 - D4 - 1N4148 |
| R3 - R63 - 47K | R18 - R78 - 15K | R23 - R33 - 3K3 | R48 - R58 - 3K3 | R123 - R133 - 47K | R138 - R148 - 10K | R176 - R186 - 1W | D5 - D10 - 1N4148 |
| R4 - R64 - 470K | R19 - R79 - 100K | R34 - R44 - 100K | R49 - R59 - 1K2 | R124 - R134 - 470K | R139 - R149 - 470K SW | R177 - R187 - 1W | D6 - D11 - 1N4148 |
| R5 - R65 - 470K | R20 - R80 - 470K | R25 - R35 - 5V | R50 - R60 - 10K | R125 - R135 - 470K | R140 - R150 - 3K3 | R178 - R188 - 1W | D7 - D12 - 1N4148 |
| R6 - R66 - 47K | R21 - R81 - 100K | R36 - R46 - 100K | R51 - R61 - 15K | R126 - R136 - 47K | R141 - R151 - 47K | R179 - 1K | D8 - D13 - 1N4148 |
| R7 - R67 - 56K | R22 - R82 - 100K | R37 - R47 - 47K | R52 - R62 - 22K 1W | R127 - R137 - 56K | R142 - R152 - 10K | R180 - 1K | D9 - D14 - 1N4148 |
| R8 - R68 - 3K3 | R23 - R83 - 470K | R38 - R48 - 2K2 | R53 - R63 - 100K | R128 - R138 - 5K3 | R143 - R153 - 10K | R181 - 1K | ZD1 - ZD4 - 3.4V |
| R9 - R69 - 390K | R24 - R84 - 470K | R39 - R49 - 390K | R54 - R64 - 220K | R129 - R139 - 5V | R144 - R154 - 10K | R182 - 10K | ZD2 - ZD5 - 9.1V |
| R10 - R70 - 56K | R25 - R85 - 47K | R40 - R50 - 100K | R55 - R65 - 100K | R130 - R140 - 6K8 | R145 - R155 - 10K | R183 - 22K | ZD3 - ZD6 - 9.1V |
| R11 - R71 - 10K | R26 - R86 - 47K | R41 - R51 - 100K | R56 - R66 - 3K3 | R131 - R141 - 5K | R146 - R156 - 10K | R184 - 1K2 | ZD7 - 3.4V |
| R12 - R72 - 3K3 | R27 - R87 - 3K3 | R42 - R52 - 100K | R57 - R67 - 1K | R132 - R142 - 3K3 | R147 - R157 - 10K | R185 - 1K2 | ZD8 - 3.4V |
| R13 - R73 - 56K | R28 - R88 - 9K2 | R43 - R53 - 100K | R58 - R68 - 120K | R133 - R143 - 100K | R148 - R158 - 10K | R186 - 1K2 | ZD9 - 9.1V |
| R14 - R74 - 100K | R29 - R89 - 15K | R44 - R54 - 470K | R59 - R69 - 100K | R134 - R144 - 3K3 | R149 - R159 - 10K | R187 - 1K2 | ZD10 - 9.1V |
| R15 - R75 - 3K3 | R30 - R90 - 22K 1W | R45 - R55 - 470K | R60 - R70 - 100K | R135 - R145 - 100K | R150 - R160 - 10K | R188 - 1K2 | ZD11 - 9.1V |
| C1 - C48 - 0.01u | C16 - C63 - 0.1u | C34 - C78 - 1u | C46 - C53 - 0.1u | C121 - C125 - 10u | C140 - 4700u | Q1 - Q16 - SP5LP | Q31 - Q38 - SP5LP |
| C2 - C49 - 0.47u | C17 - C64 - 47u | C35 - C79 - 0.47u | C47 - C54 - 0.1u | C126 - C130 - 10u | C141 - 4700u | Q17 - SP5LP | Q39 - SP5LP |
| C3 - C50 - 0.1u | C18 - C65 - 100u | C36 - C80 - 0.1u | C48 - C55 - 0.47u | C131 - C135 - 0.1u | C142 - 1000u | Q18 - SP5LP | Q40 - SP5LP |
| C4 - C51 - 100K | C19 - C66 - 68K | C37 - C81 - 47u | C49 - C56 - 0.1u | C136 - C140 - 0.1u | C143 - 1000u | Q19 - SP5LP | Q41 - SP5LP |
| C5 - C52 - 470u | C20 - C67 - 10P | C38 - C82 - 100L | C50 - C57 - 47P | C141 - C145 - 0.0047u | C144 - 0.0047u | Q20 - SP5LP | Q42 - SP5LP |
| C6 - C53 - 22P | C21 - C68 - 0.1u | C39 - C83 - 10P | C51 - C58 - 220u | C146 - C150 - 1.5u | C145 - 1.5u | Q21 - SP5LP | Q43 - SP5LP |
| C7 - C54 - 33P | C22 - C69 - 10P | C40 - C84 - 10P | C52 - C59 - 15P | C151 - C155 - 0.0047u | C146 - 0.0047u | Q22 - SP5LP | Q44 - SP5LP |
| C8 - C55 - 10P | C23 - C70 - 10u | C41 - C85 - 10P | C60 - C67 - 15P | C156 - C160 - 0.1u | C147 - 0.1u | Q23 - SP5LP | Q45 - SP5LP |
| C9 - C56 - 10u | C24 - C71 - 10u | C42 - C86 - 10P | C61 - C68 - 22P | C161 - C165 - 0.1u | C148 - 22u | Q24 - SP5LP | Q46 - SP5LP |
| C10 - C57 - 10u | C25 - C72 - 0.1u | C43 - C87 - 1u | C62 - C69 - 15P | C166 - C170 - 0.1u | C149 - 4700u | Q25 - SP5LP | |
| C11 - C58 - 0.1u | C26 - C73 - 0.1u | C44 - C88 - 1u | C63 - C70 - 10P | C171 - C175 - 0.1u | C150 - 220u | Q26 - SP5LP | |
| C12 - C59 - 0.1u | C27 - C74 - 0.12u | C45 - C89 - 1u | C64 - C71 - 10P | C176 - C180 - 0.1u | C151 - 100u | Q27 - SP5LP | |
| C13 - C60 - 220K | C28 - C75 - 0.01u | C46 - C90 - 10u | C65 - C72 - 10P | C181 - C185 - 0.1u | | Q28 - SP5LP | |
| C14 - C61 - 2700P | C29 - C76 - 10P | C47 - C91 - 10u | C66 - C73 - 10P | C186 - C190 - 0.1u | | Q29 - SP5LP | |
| C15 - C62 - 0.47u | C30 - C77 - 10P | C48 - C92 - 10u | C67 - C74 - 10P | C191 - C195 - 0.1u | | Q30 - SP5LP | |

SM 2 PRE AMP
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SM2.