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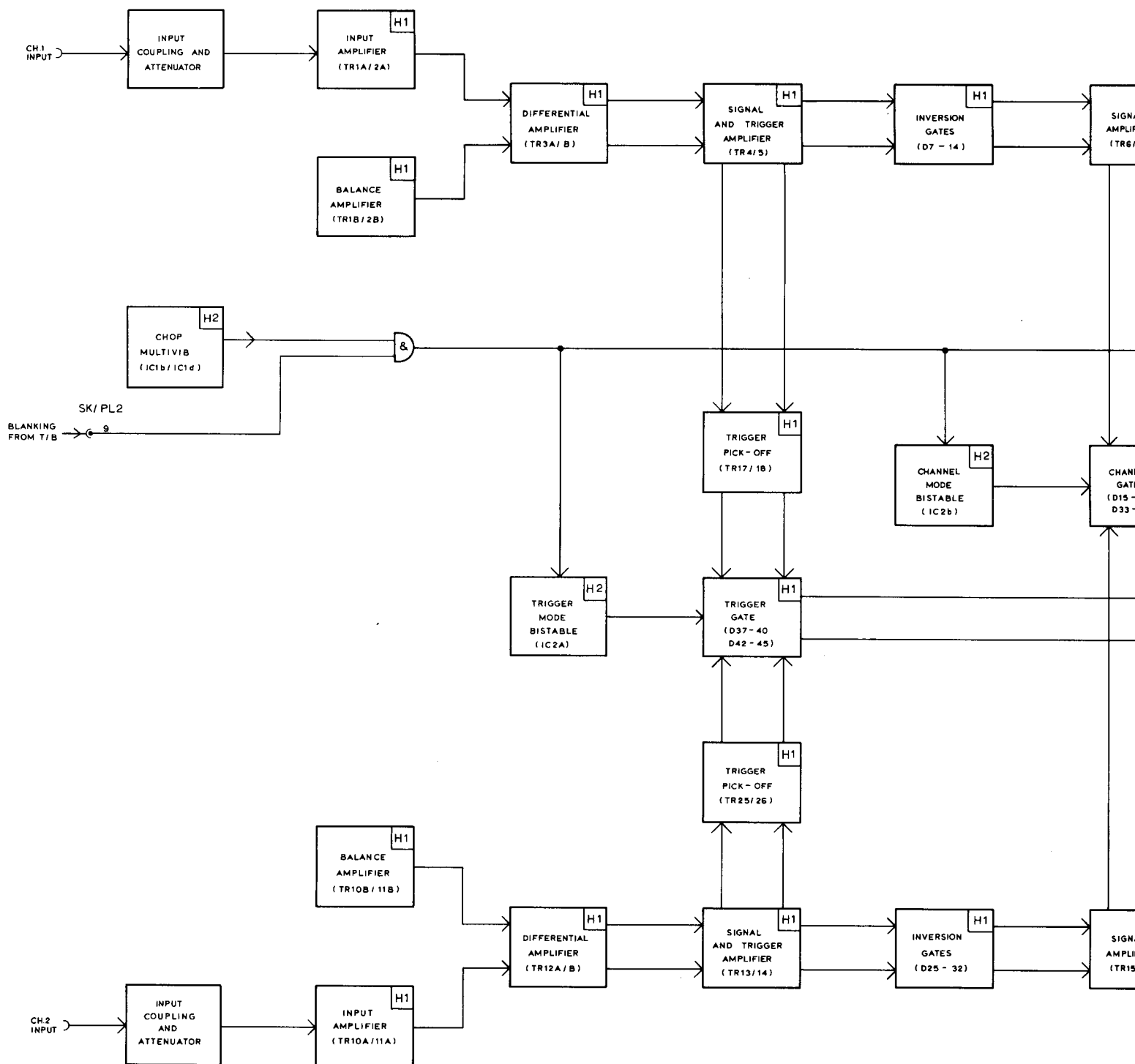
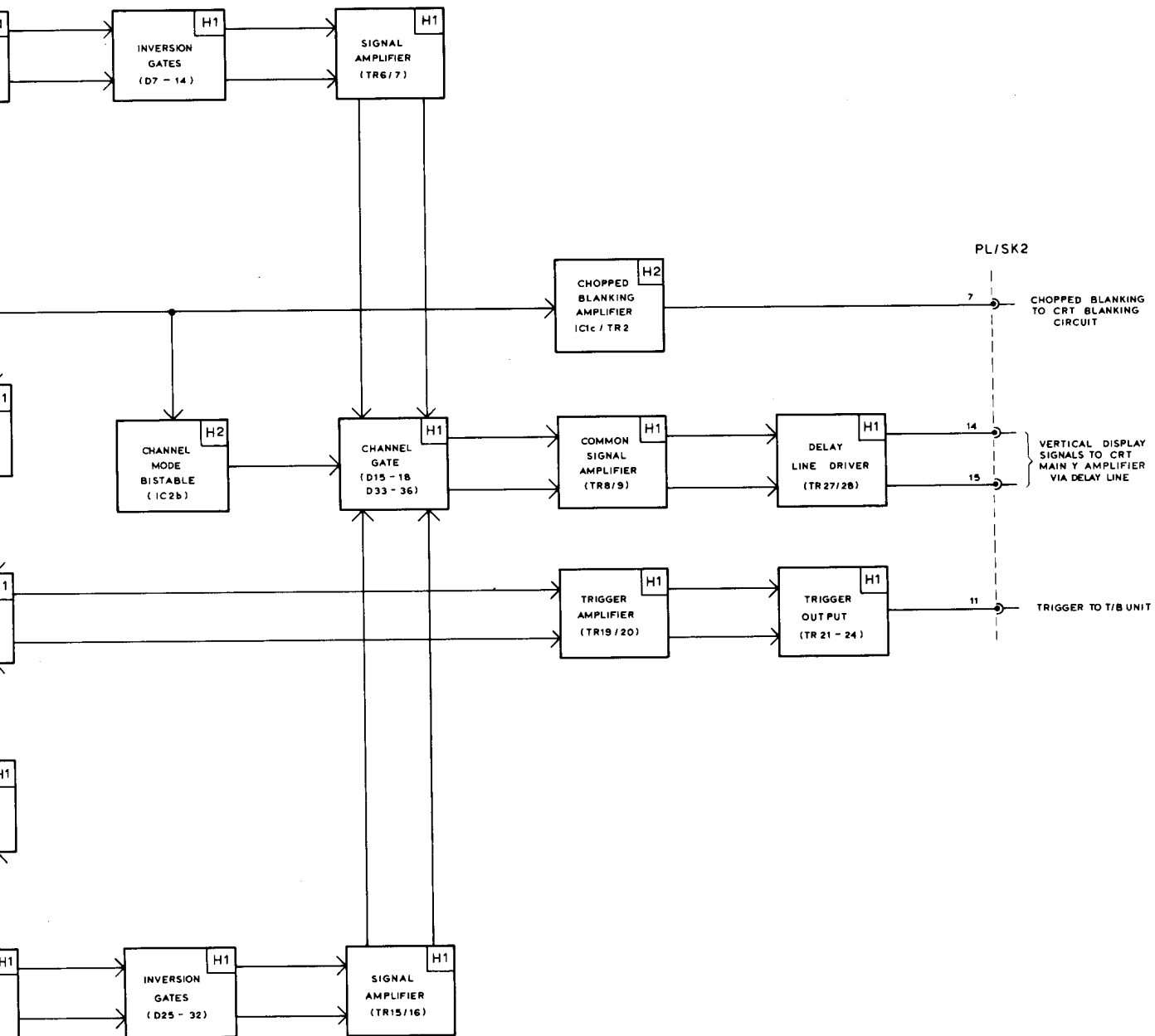


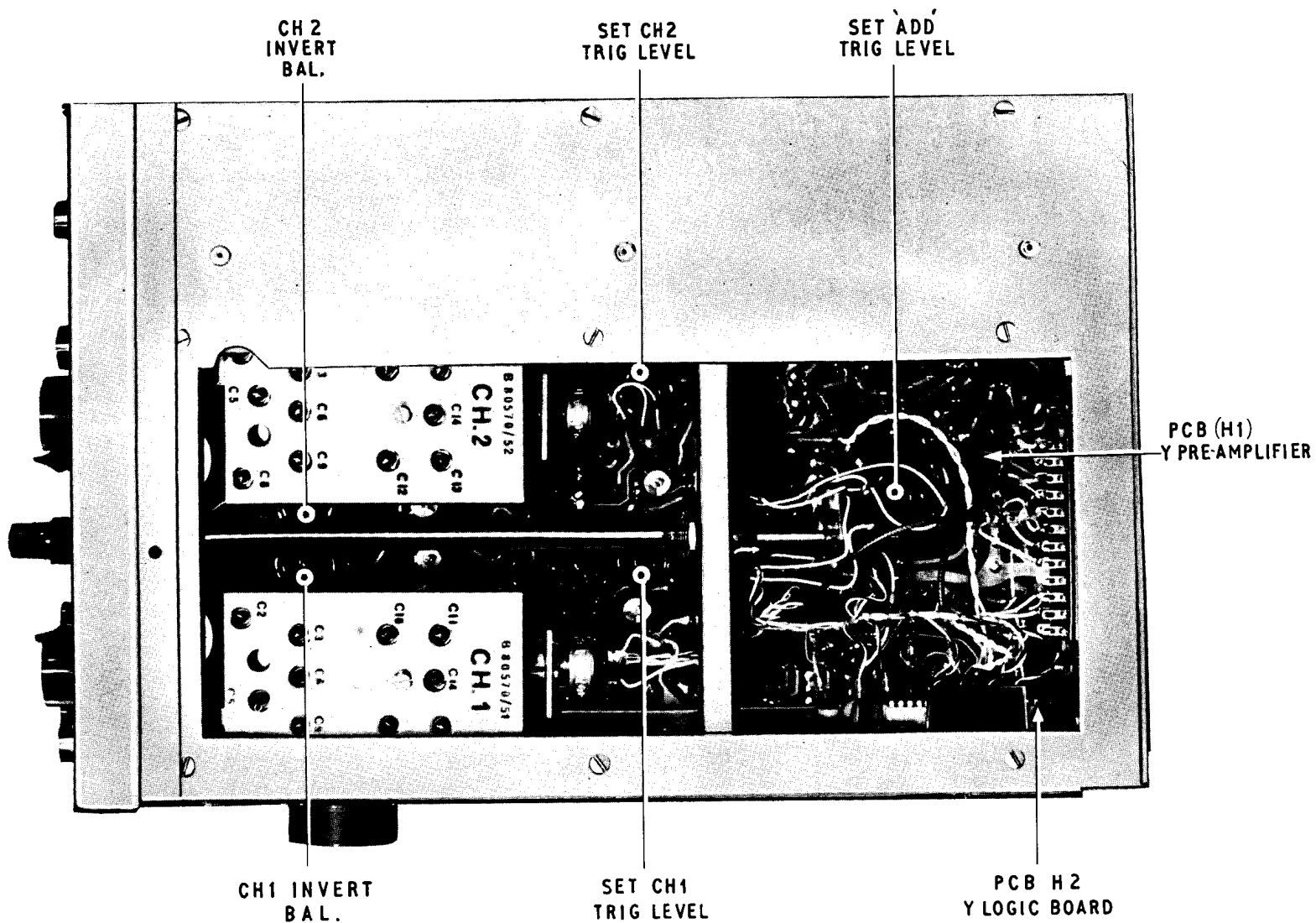
FIG 3-1

3102 DUAL CHANNEL AMPLIFIER
BLOCK DIAGRAM



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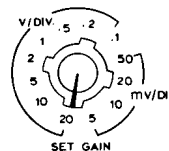
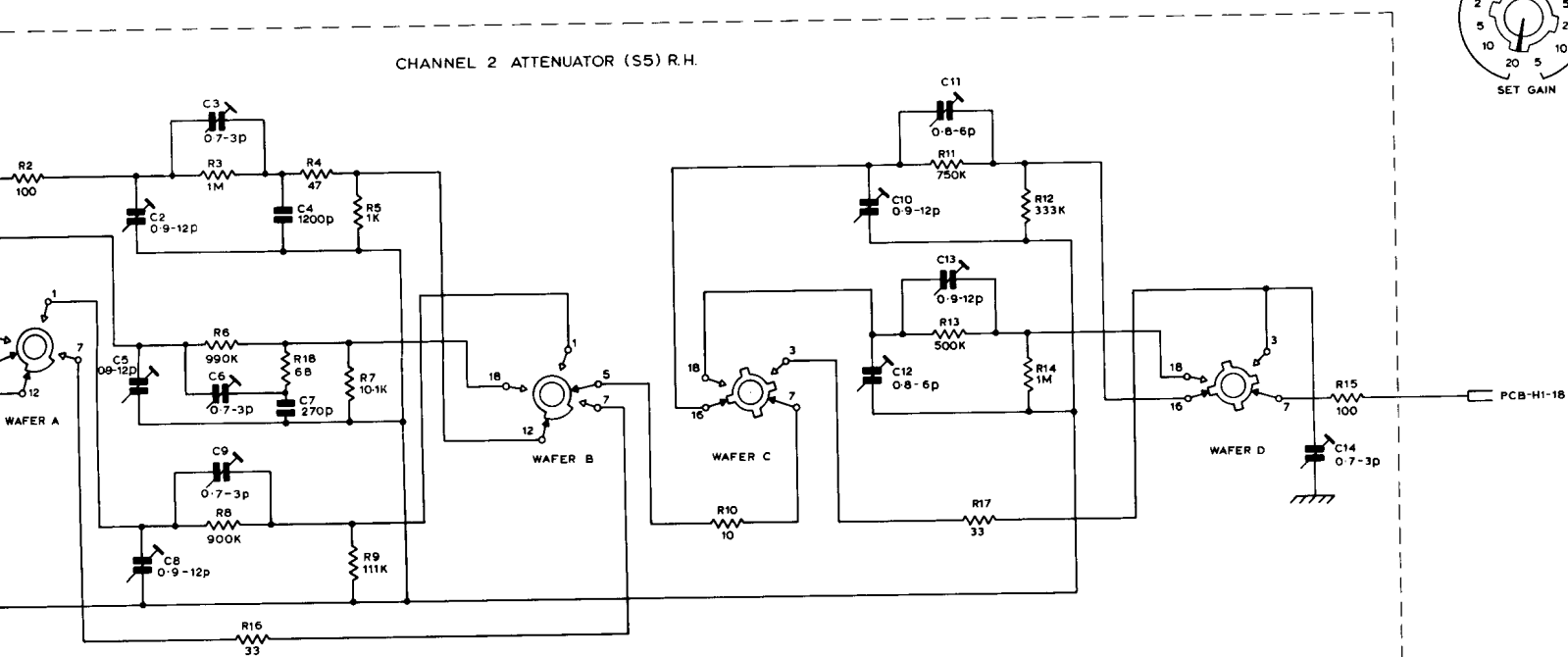
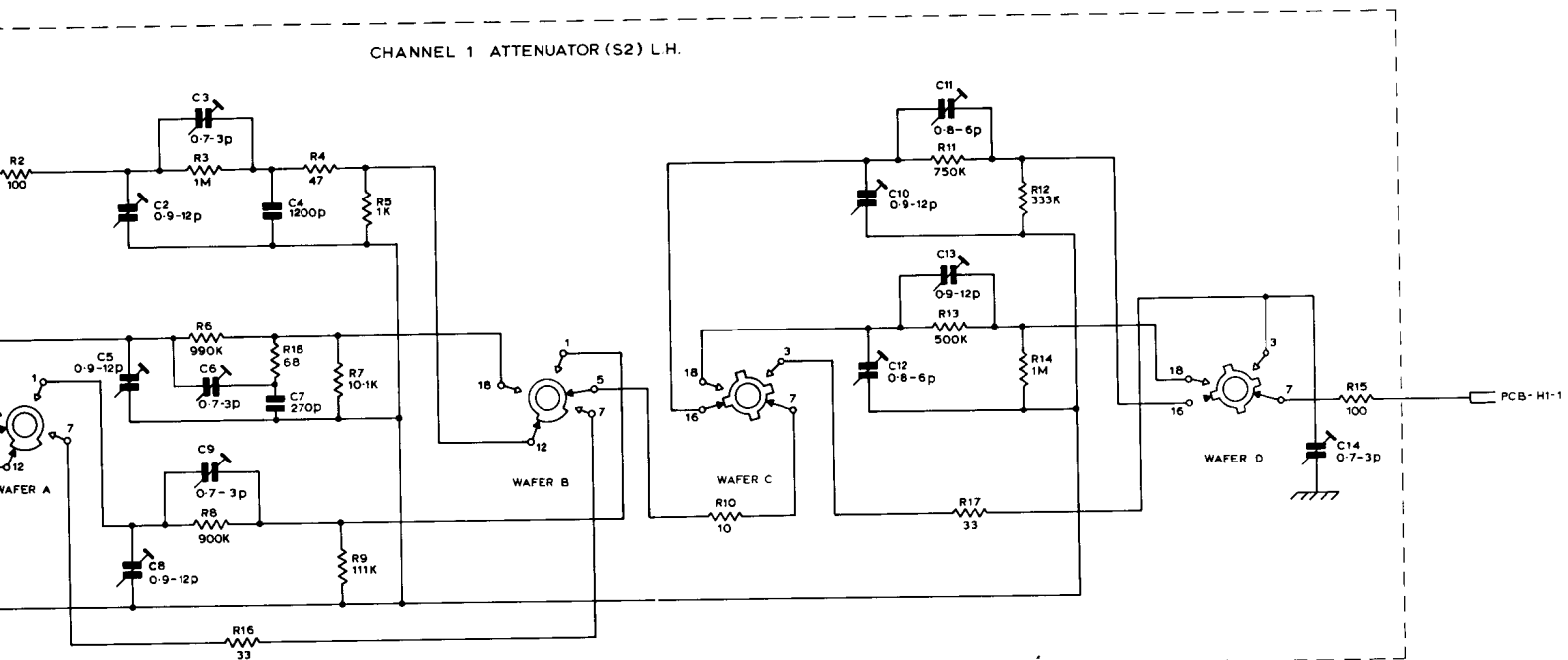


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FIGURE: 5.1

ATTENUATOR AND SUB-FRAME

| | | | | | | | | | | | | |
|--------|--------|--------|---|--------|---|----|----------|----------|----|----|----|-------|
| 2 | 3 6 | 16 | 4 | 7 9 | 5 | 10 | 11 13 | 17 | 12 | 14 | 15 | R |
| 2 5 | 6 | 3 6 | 4 | 7 | | | 10 12 | 11 13 | | | 14 | C |
| | | | | | | | | | | | | MISC. |



NOTE: THE CHANNEL 1 AND CHANNEL 2 ATTENUATORS ARE IDENTICAL SUB-ASSEMBLIES OF THE AMPLIFIER AND THEIR COMPONENTS ARE REFERENCED ACCORDINGLY.

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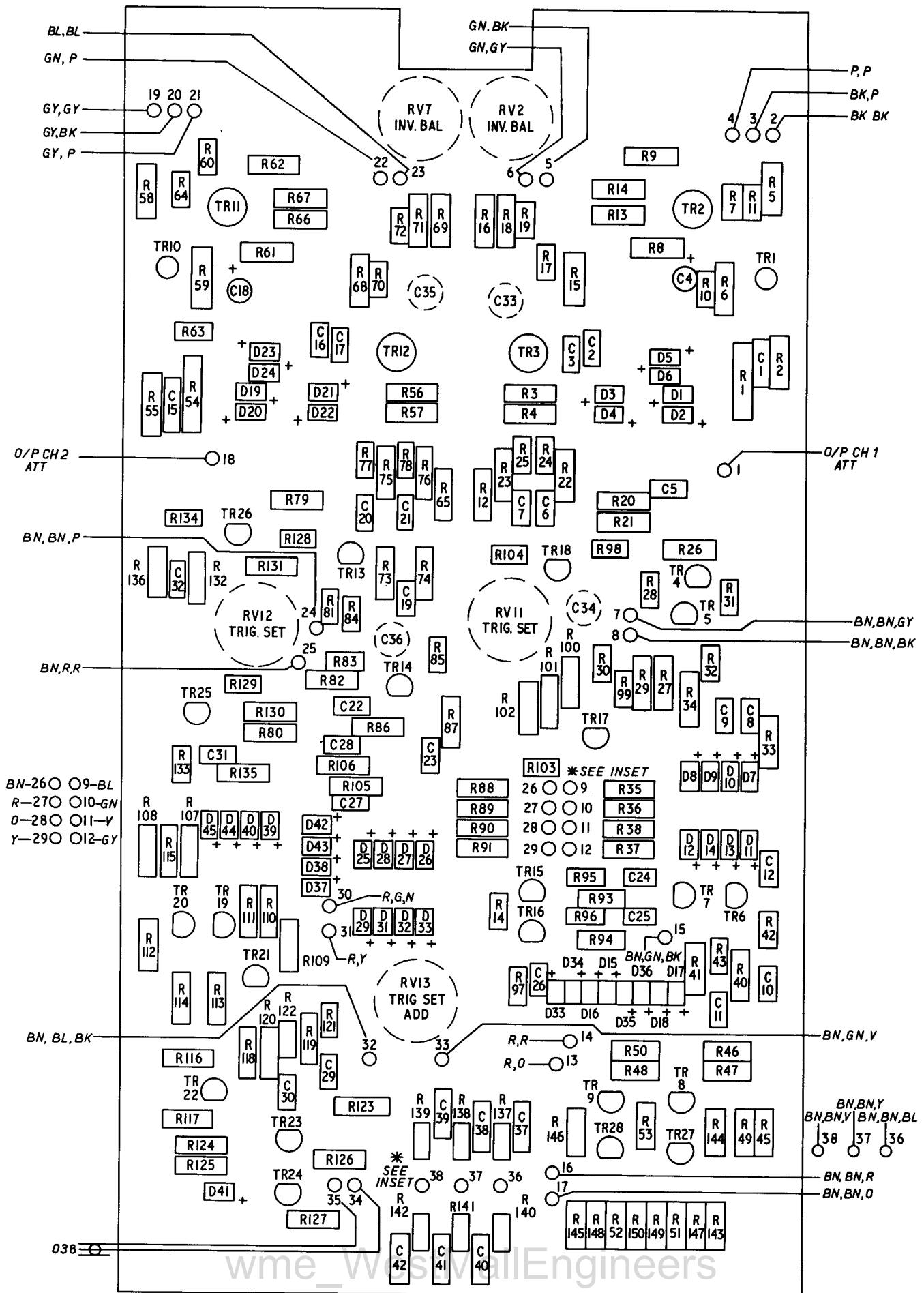
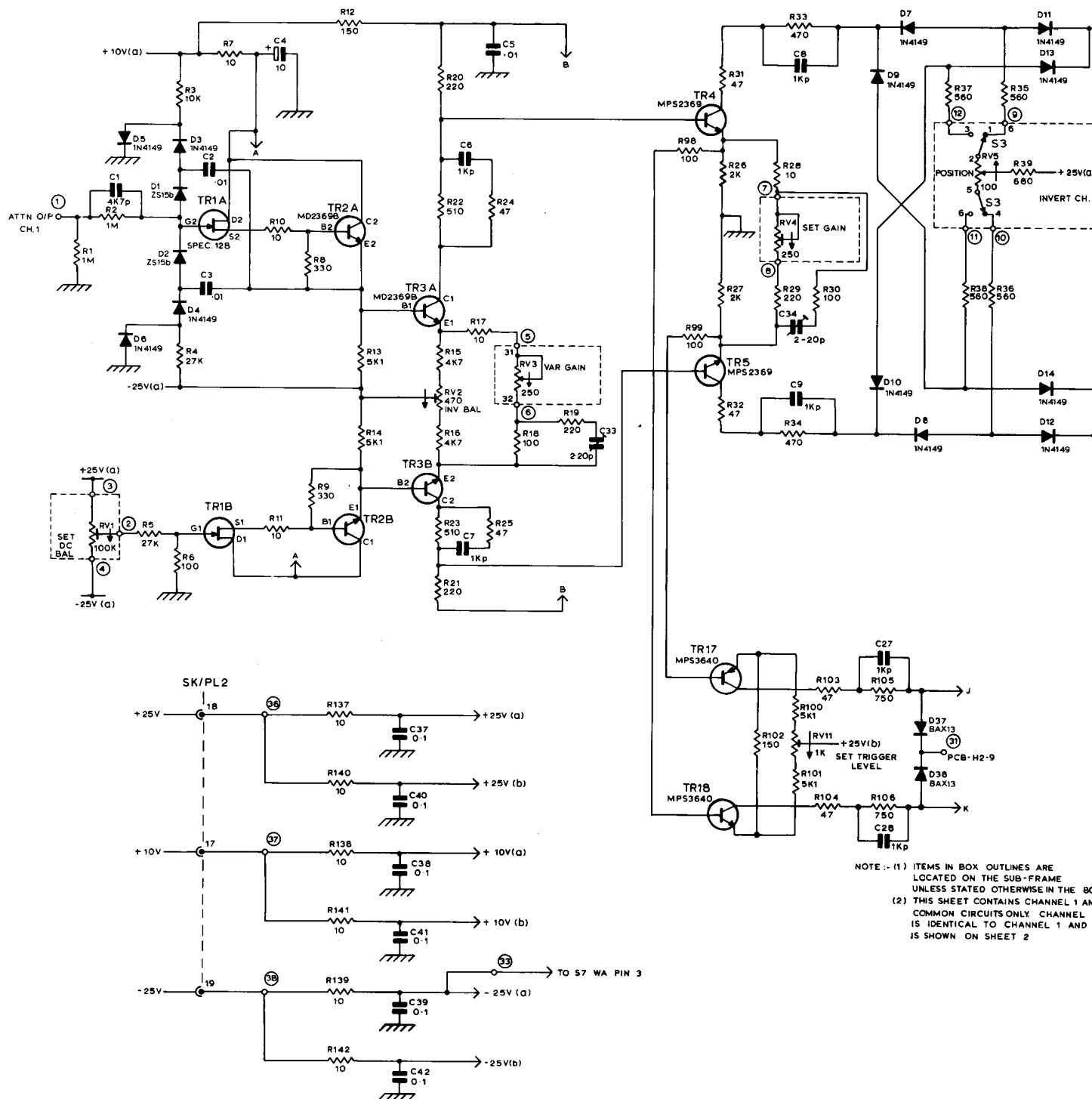


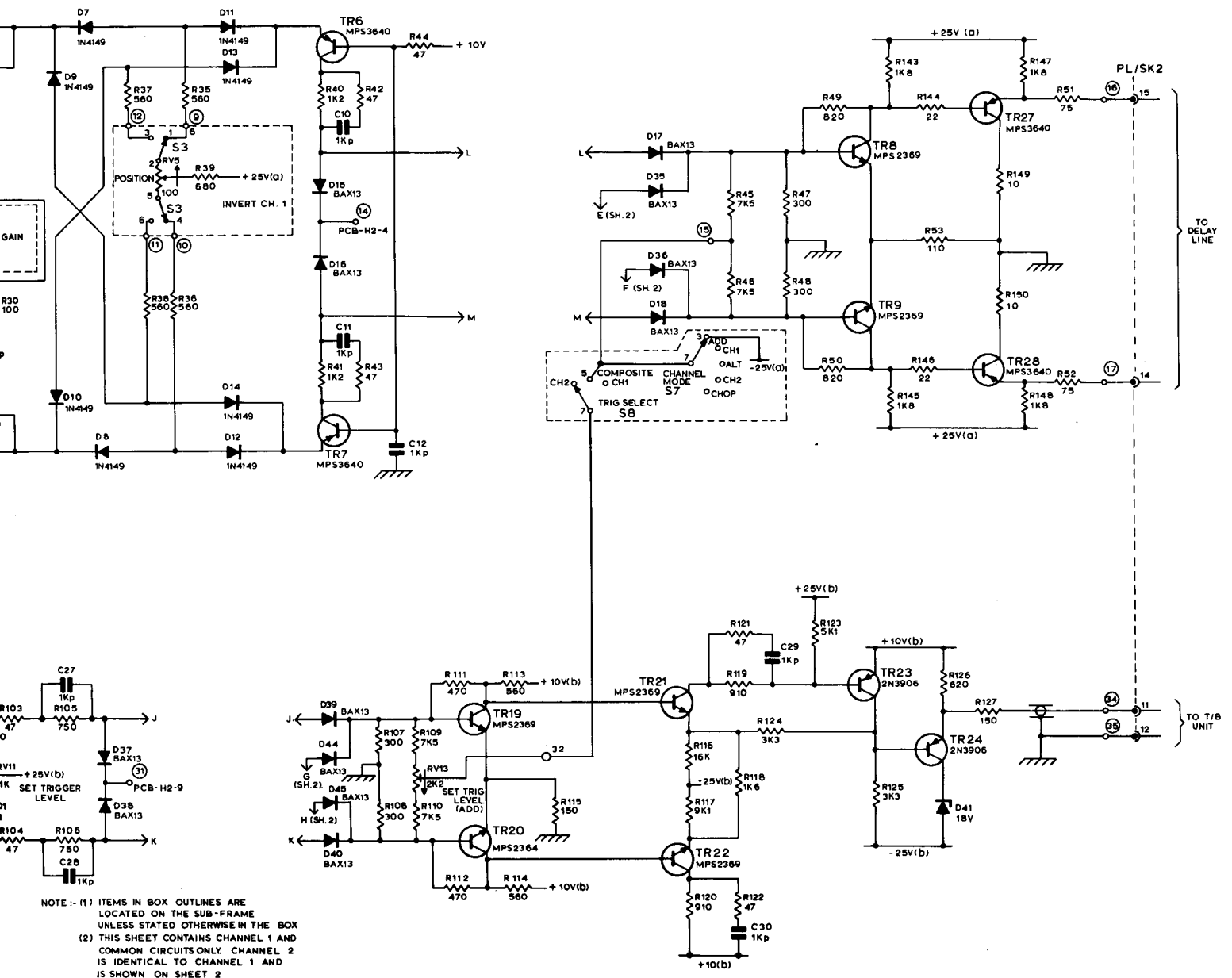
FIG. 5.3

PC.B. HI (DUAL Y AMPLIFIER)

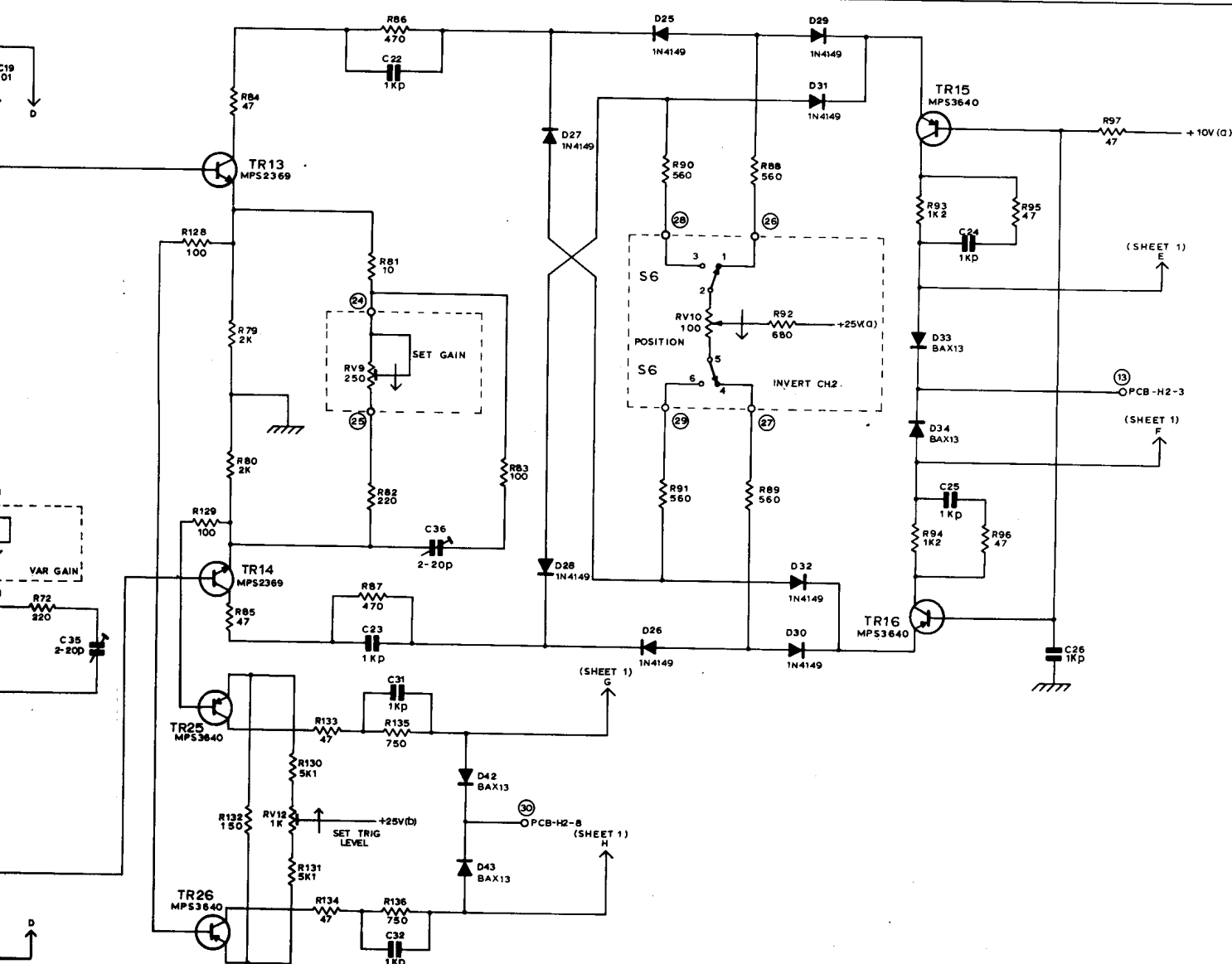
| | | | | | | | | | | | | | | | | | |
|------|-----------|-------|-------|-------|-----|----------|-----|-------|----------|-------|---------|---------|-------------|-------|----------|----|----|
| R | 1 | 2 | 5 | 3,4,6 | 7 | 10,11 | 8,9 | 13,14 | 20,21,15 | 17,24 | 18 | 19 | 31,26,21,32 | 28,29 | 33,34,30 | 37 | 35 |
| C | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| TR | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| MISC | RV1,D5,D6 | D3,D1 | D2,D4 | RV2 | RV3 | RV4,RV11 | D9 | D7 | D37 | RV5 | D11,D13 | D14,D12 | | | | | |



| | | | | | | | | | | | | | | | | | | | | |
|----------------|----|-----|-----|---------|---------|-----------------|------|----------------|-------------|---------|-----|-----------|---------|-----|-----|----|-----|-----|-----|------|
| 30 | 37 | 35 | 40 | 42,43 | 44 | 111 | 113 | 121,119,118,45 | 47 | 49 | 143 | 144,53 | 149 | 147 | 51 | R | | | | |
| 03,104,105,106 | 38 | 36 | 39 | 41 | 107,108 | 109,110,112 | 114 | 115 | 116,117,120 | 122,46 | 121 | 48,123,50 | 125,145 | 146 | 126 | | 127 | 150 | 148 | 52 |
| 27 | | | | 10 | 11 | 12 | | | 30 | 29 | | | | | | | | | | C |
| 28 | | | | 9 | | | 19 | | 21 | | 8 | 23 | | 24 | | 27 | | | | TR |
| | | | | | | | 20 | | 22 | | 9 | | | | | 28 | | | | MISC |
| D9 | D7 | D37 | RV5 | D11,D13 | D15,D16 | D39,D44,D45,D40 | RV13 | | D17,D35 | D36,D18 | | | | | | | | | | |
| D10 | D8 | D38 | | D14,D12 | | | | | | | | | | | | | | | | |



| | | | | | | | | | | |
|----|--------|------------|------------------------------|------------|------------|--------|----------------------|------------|----|-------|
| 72 | 128 | 84, 79, 80 | 81, 82, 87, 86 | | 90 | 88 | 93 | 95 | 97 | R |
| 35 | 129 | 85, 132 | 130, 131, 133, 134, 135, 136 | 83 | 91 | 89, 92 | 94 | 96 | | C |
| | 13, 14 | | 22, 23 | | | | | 25, 24 | 26 | TR |
| | 25, 26 | | 31, 32, 36 | | | | | | | MISC. |
| | RV12 | RV9 | D42 D43 | D27 D28 | D25 D26 | RV10 | D29, D31 D32, D30 | D33 D34 | | |



- NOTES :-
- (1) ITEMS IN BOX OUTLINES ARE LOCATED ON THE SUB-FRAME UNLESS STATED OTHERWISE IN THE BOX.
 - (2) THIS SHEET CONTAINS CHANNEL 2 ONLY. CHANNEL 1 AND COMMON CIRCUITS ARE SHOWN ON SHEET 1.

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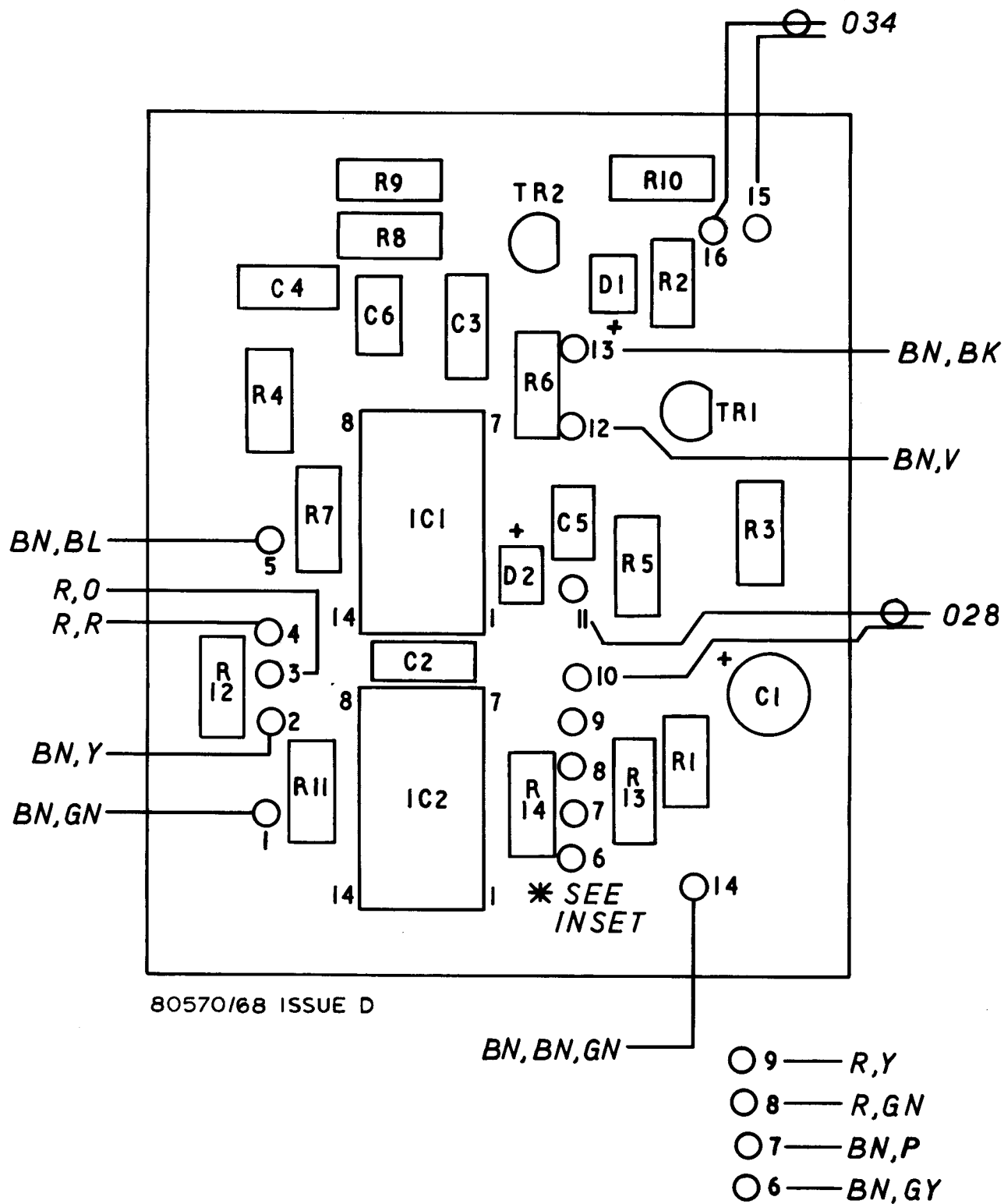


FIG. 5.5

P.C.B. H2 (Y AMPLIFIER LOGIC)

| | | | | | |
|-------|---|----------|-----|--------------|----|
| R | 1 | 5,6 | 2 | 4 | 14 |
| C | 1 | 5 | 2 | 3 | 4 |
| MISC. | | D2 D1 | TR1 | IC1d IC1b | |

