

**9117**

|            |                 |   |            |       |
|------------|-----------------|---|------------|-------|
| GREY       | 6.6k ohms _____ |   | _____      |       |
|            |                 | ) | ( 1        | RED   |
|            | Anode 1         | ) | ( _____    | BLUE  |
| GREEN      | 4k ohm -----)   |   | _____      |       |
|            |                 | ) | ( 2        | RED   |
| PINK       | 43% tap _____   | ) | ( _____    | BLUE  |
|            |                 | ) | _____      |       |
|            |                 | ) | ( _____    | WHITE |
| ORANGE x 2 | ----+HT----- _  |   | ( tertiary |       |
|            |                 | ) | ( _____    | BLACK |
|            |                 | ) | _____      |       |
| VIOLET     | 43% tap _____   | ) | ( 3        | RED   |
|            |                 | ) | ( _____    | BLUE  |
| BROWN      | 4k ohm _____    | ) | _____      |       |
|            |                 | ) | ( 4        | RED   |
|            | Anode 2         | ) | ( _____    | BLUE  |
| YELLOW     | 6.6k ohms _____ | ) | _____      |       |
|            |                 |   |            |       |

**OUTPUT WINDINGS.**

There are **FOUR EQUAL SECONDARY WINDINGS** which can be arranged for loads of **1, 4, 8/9 or 15/16 ohms** thus:-

| 1 ohm                | 4 ohm          | 8/9 ohm        | 15/16 ohm     |
|----------------------|----------------|----------------|---------------|
| RED                  | RED            | RED            | RED           |
| _____<br>(1 (3 (4 (2 | _____<br>(1 (3 | _____<br>(1    | _____<br>(1   |
| _____<br>( ( ( (     | _____<br>( (   | _____<br>(     | _____<br>(    |
| _____<br>BLUE        | _____<br>(4 (2 | _____<br>(3    | _____<br>(3   |
|                      | _____<br>( (   | _____<br>(     | _____<br>(    |
|                      | _____<br>BLUE  | _____<br>(4 (2 | _____<br>(4   |
|                      |                | _____<br>( (   | _____<br>(    |
|                      |                | _____<br>BLUE  | _____<br>(2   |
|                      |                |                | _____<br>BLUE |

NFB winding highly coupled to Secondary 2

NFB BLACK and Secondary 2 BLUE should be grounded.

**9117 – no -ive feedback winding**

|        |           |          |  |         |      |
|--------|-----------|----------|--|---------|------|
| GREY   | 6.6k ohms | _____    |  | _____   |      |
|        | Anode 1   | )        |  | ( 1     | RED  |
| GREEN  | 4k ohm    | -----)   |  | ( _____ | BLUE |
|        |           | )        |  | ( _____ |      |
| PINK   | 43% tap   | _____)   |  | ( 2     | RED  |
|        |           | )        |  | ( _____ |      |
| ORANGE | x 2----   | +HT----- |  | _____   | BLUE |
|        |           | )        |  | ( 3     | RED  |
|        |           | )        |  | ( _____ |      |
| VIOLET | 43% tap   | _____)   |  | ( _____ | BLUE |
|        |           | )        |  | ( _____ |      |
| BROWN  | 4k ohm    | _____)   |  | ( 4     | RED  |
|        |           | )        |  | ( _____ |      |
|        | Anode 2   | )        |  | ( _____ | BLUE |
| YELLOW | 6.6k ohms | _____)   |  |         |      |
|        |           | )        |  |         |      |

**OUTPUT WINDINGS.**

There are FOUR EQUAL SECONDARY WINDINGS which can be arranged for loads of 1, 4, 8/9 or 15/16 ohms thus:-

| 1 ohm           | 4 ohm       | 8/9 ohm     | 15/16 ohm |
|-----------------|-------------|-------------|-----------|
| RED             | RED         | RED         | RED       |
| _____           | _____       | _____       | _____     |
| (1 (3 (4 (2     | (1 (3       | (1          | (1        |
| ( _ ( _ ( _____ | ( _ (       | (           | (         |
| BLUE            | (4 (2       | (3          | (3        |
|                 | ( _ ( _____ | (           | (         |
|                 | BLUE        | (4 (2       | (4        |
|                 |             | ( _ ( _____ | (         |
|                 |             | BLUE        | (2        |
|                 |             |             | ( _____   |
|                 |             |             | BLUE      |