

# SERVICE MANUAL

## ADDENDUM TO V6/V7

Television  
Models

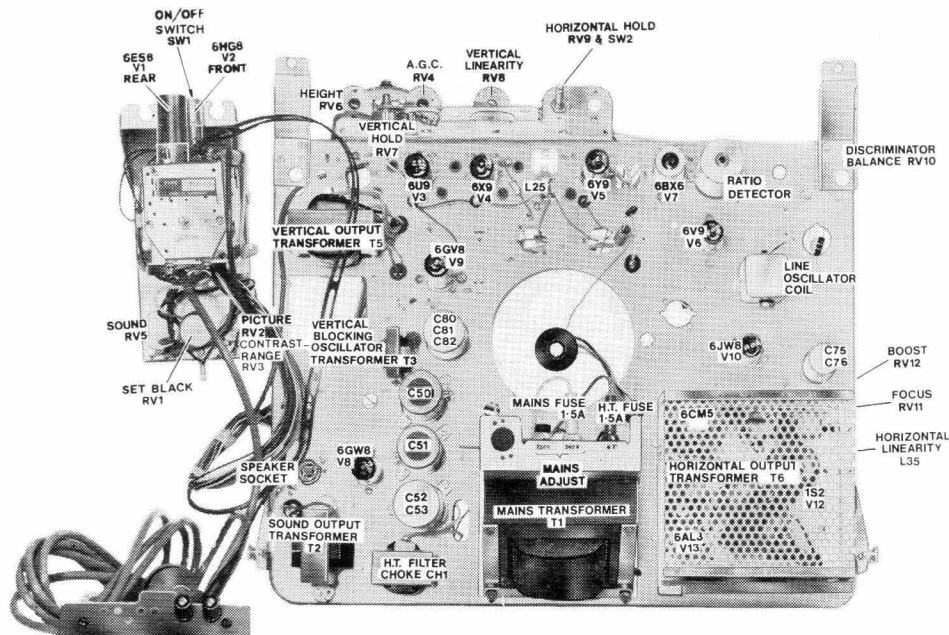
PU3-9B  
PU3-BE  
PU3-AF



# "HIS MASTER'S VOICE"

MANUFACTURED & DISTRIBUTED BY  
**E.M.I. (AUSTRALIA) LIMITED**  
(INCORPORATED IN N.S.W.)

**6 PARRAMATTA ROAD  
HOMEBUSH, N.S.W.**



REAR VIEW — PU3 CHASSIS

The PU3 chassis differs from the V6 chassis in the following respects:

### ADJUSTMENTS

**Contrast Range.** Set the "Picture" control to the minimum contrast position. The "Set Black" control should be rotated to give sufficient brightness on the screen to be able to observe a weak picture. Adjust the "Contrast Range" control so that the picture just disappears, after going out of lock. Advance the control until the picture re-appears and just locks.

**Boost Voltage.** The boost voltage may be adjusted, where necessary, by means of the

pre-set control adjacent to the line output transformer. Access to this control is easier from the reverse side of the chassis, when it has been swung down.

Reduce the picture tube beam current to zero, by means of the "Set Black" control. The voltage measured across C114 (.047uF) should be adjusted to 510 volts, which assures optimum picture width and EHT voltage. Re-set the "Set Black" control. Note: Do not use a meter protected with silicon diodes, as this gives a rectifying effect and results in an incorrect reading.

## PARTS LIST

| REF.  | PART NO. | DESCRIPTION                  | REF. | PART NO. | DESCRIPTION               |
|-------|----------|------------------------------|------|----------|---------------------------|
| RV1   | 677-1311 | 500K Curve "A"—Set Black     | RV5  | 677-1321 | 1M Curve "A"—Volume       |
| RV2 } | 677-1301 | 50K Curve "A"—Picture        | SW1  | 855-0682 | Switch, On/Off, Push-Push |
| RV3 } |          | 25K Curve "A"—Contrast Range | CRT  | 932-2292 | 23ARP4 23" Shelbond       |

## CABINET PARTS LIST

| REF.                   | PART NO.           | DESCRIPTION                           | REF.                   | PART NO.           | DESCRIPTION                           |
|------------------------|--------------------|---------------------------------------|------------------------|--------------------|---------------------------------------|
| <b>9B Type Cabinet</b> |                    |                                       |                        |                    |                                       |
|                        | 191-0352           | Cabinet Wrap, Maple                   |                        | 517-3031           | Knob, Fine Tuning (Beige)             |
|                        | 191-0372           | Cabinet Wrap, Walnut                  |                        | 561-0612           | Medallion                             |
|                        | 191-0422           | Cabinet, Silver-Grey                  |                        | 561-1521           | Medallion, "Wentworth"                |
|                        | 294-1205           | Cover, Cabinet Back                   |                        | 561-1571           | Medallion, Trade Mark                 |
|                        | 403-1804           | Escutcheon Assembly                   |                        | 801-0181           | Screw, Knob Cover Fixing              |
|                        | 470-0221           | Handle                                |                        | 831-2711           | Speaker, 8PC, 15 ohms                 |
|                        | 517-2081           | Knob, Rear Pre-sets                   | <b>Dimensions:</b>     |                    |                                       |
|                        | 517-2342           | Knob, On/Off                          |                        | Packed             | Unpacked                              |
|                        | 517-2371           | Knob, Set Black                       | Height:                | 31 $\frac{1}{8}$ " | 30"                                   |
|                        | 517-2401           | Knob, Picture and Sound               | Width:                 | 31 $\frac{1}{2}$ " | 28 $\frac{1}{4}$ "                    |
|                        | 517-2981           | Knob, Channel Indicator               | Depth:                 | 19 $\frac{5}{8}$ " | 17"                                   |
|                        | 517-2991           | Knob Cover, Channel Indicator (Gold)  | <b>Weight:</b>         |                    |                                       |
|                        | 517-3001           | Knob, Fine Tuning (Gold)              | Gross:                 | 120 lbs.           |                                       |
|                        | 517-3041           | Knob Cover, Channel Indicator (Beige) | Nett:                  | 108 lbs.           |                                       |
|                        | 517-3031           | Knob, Fine Tuning (Beige)             | <b>BE Type Cabinet</b> |                    |                                       |
|                        | 539-0071           | Leg                                   |                        | 192-2841           | Cabinet, Maple                        |
|                        | 561-1511           | Medallion, "Casino"                   |                        | 192-2851           | Cabinet, Walnut                       |
|                        | 561-1571           | Medallion, Trade Mark                 |                        | 192-2861           | Cabinet, Rosewood                     |
|                        | 801-0181           | Screw, Knob Cover Fixing              |                        | 294-1205           | Cover, Cabinet Back                   |
|                        | 831-1823           | Speaker, 7" x 4", 15 ohms.            |                        | 403-1873           | Escutcheon Assembly                   |
| <b>Dimensions:</b>     |                    |                                       |                        | 517-2081           | Knob, Rear Pre-sets                   |
|                        | Packed             | Unpacked                              |                        | 517-2342           | Knob, On/Off                          |
| Height:                | 21 $\frac{1}{2}$ " | 18 $\frac{1}{2}$ "                    |                        | 517-2371           | Knob, Set Black                       |
| Width:                 | 31 $\frac{5}{8}$ " | 26 $\frac{5}{8}$ "                    |                        | 517-2401           | Knob, Picture and Sound               |
| Depth:                 | 19 $\frac{5}{8}$ " | 17"                                   |                        | 517-2981           | Knob, Channel Indicator               |
| <b>Weight:</b>         |                    |                                       |                        | 517-2991           | Knob Cover, Channel Indicator (Gold)  |
| Gross:                 | 94 lbs.            |                                       |                        | 517-3001           | Knob, Fine Tuning (Gold)              |
| Nett:                  | 80 lbs.            |                                       |                        | 517-3041           | Knob Cover, Channel Indicator (Beige) |
| <b>AF Type Cabinet</b> |                    |                                       |                        | 517-3031           | Knob, Fine Tuning (Beige)             |
|                        | 192-2812           | Cabinet, Maple                        |                        | 561-1531           | Medallion, "Charleston"               |
|                        | 192-2822           | Cabinet, Walnut                       |                        | 561-1571           | Medallion, Trade Mark                 |
|                        | 192-2832           | Cabinet, Rosewood                     |                        | 801-0181           | Screw, Knob Cover Fixing              |
|                        | 294-1205           | Cover, Cabinet Back                   |                        | 831-1553           | Speaker, 7" x 4" PG, 30 ohms          |
|                        | 403-1873           | Escutcheon Assembly                   | <b>Dimensions:</b>     |                    |                                       |
|                        | 517-2081           | Knob, Rear Pre-sets                   |                        | Packed             | Unpacked                              |
|                        | 517-2342           | Knob, On/Off                          | Height:                | 22 $\frac{1}{4}$ " | 30" (incl. 10" legs)                  |
|                        | 517-2371           | Knob, Set Black                       | Width:                 | 40 $\frac{3}{4}$ " | 37"                                   |
|                        | 517-2401           | Knob, Picture and Sound               | Depth:                 | 19"                | 17"                                   |
|                        | 517-2981           | Knob, Channel Indicator               | <b>Weight:</b>         |                    |                                       |
|                        | 517-2991           | Knob Cover, Channel Indicator (Gold)  | Gross:                 | 104 lbs.           |                                       |
|                        | 517-3001           | Knob, Fine Tuning (Gold)              | Nett:                  | 92 lbs.            |                                       |
|                        | 517-3041           | Knob Cover, Channel Indicator (Beige) |                        |                    |                                       |