

This supplement should be used in conjunction with the Schedule A, B & C issue of the Service Manual and the earlier Service Manual Supplement which includes details of the UHF tuner Type T20, and revised alignment procedures.

The list below covers general circuit modifications introduced since publication of the earlier 1400 Series Dual-Standard Chassis Manual Supplement.

1400 Series

TELEVISION

Service Manual Supplement

| Reference | Location | Sched. C Chassis | Later Chassis | Reason for change |
|------------|------------|------------------------|---------------------------------------|--|
| C13 ... | JK7 ... | 0.47 μ F ... | 0.33 μ F } ... | To improve AGC action |
| C40 ... | E4 ... | 0.1 μ F ... | 0.015 μ F } ... | |
| C52 ... | D6 ... | 4 μ F ... | 12 μ F ... | To reduce hum level |
| C58 ... | G5 ... | 220pF ... | 150pF ... | Parts list correction |
| C67 ... | EF5 ... | 30pF ... | 33pF ... | Use of standard value |
| C88 ... | E1, 2 ... | 1000pF ... | 0.01 μ F, 2.5kV pulse ... | To increase diode protection |
| C89 ... | JK3 ... | 0.01 μ F, 250V ... | 0.01 μ F, 400V ... | To improve reliability |
| C115 ... | D2 ... | 1 μ F ... | 0.1 μ F, 20%, 350V ... | To improve reliability |
| C119 ... | G2 ... | 1000pF ... | 0.01 μ F, 2.5kV pulse ... | To increase diode protection |
| R4 ... | K5 ... | 3.3M Ω ... | 5.6M Ω } | To improve AGC action |
| R7 ... | K4 ... | 2.7M Ω ... | 3.9M Ω } | |
| R10 ... | J6 ... | 18 Ω ... | 18 Ω , 5% ... | Parts list correction |
| R22 ... | G6 ... | 8.2 Ω ... | 10 Ω , 5%, 1/5W ... | Reduced rejector feed |
| R36 ... | E4 ... | 3k Ω ... | 8.2k Ω , $\frac{1}{2}$ W ... | To reduce buzz on 625 sound |
| R43 ... | E5 ... | 680k Ω ... | 1M Ω , $\frac{1}{2}$ W ... | To improve AGC action |
| R46 ... | DE3, 4 ... | 1.5M Ω ... | Deleted ... | To improve AGC action |
| R70 ... | DE5 ... | 39k Ω ... | 33k Ω ... | To cure line scan crushing |
| R71 ... | D4 ... | 18k Ω ... | 15k Ω , $\frac{1}{2}$ W ... | To centralize line hold |
| R74 ... | G5 ... | 22k Ω ... | 10k Ω } | To improve limiting action of V7 |
| R75 ... | G5 ... | 68k Ω ... | 10k Ω } | |
| R97 ... | EF7 ... | 470 Ω ... | 1k Ω , 2W ... | To reduce sound on vision |
| R107 ... | EF1 ... | — ... | Deleted ... | No longer required |
| R135 ... | G1 ... | 1.5k Ω ... | 1.7k Ω ... | To eliminate frame cramping |
| R141 ... | D2 ... | 3.3M Ω ... | 1.8M Ω , $\frac{1}{2}$ W ... | To centralize width control (some chassis) |
| R142 ... | EF2 ... | 1M Ω ... | 2.2M Ω } | To reduce dissipation in width control |
| R143 ... | DE2 ... | 220k Ω ... | 680k Ω } | |
| R146 ... | — ... | 2.2M Ω ... | 2.7M Ω ... | To comply with BS415 |
| R175 ... | H5 ... | Not fitted ... | 22k Ω , 5%, $\frac{1}{2}$ W } | Added to suppress buzz on 625 |
| R176 ... | H5 ... | Not fitted ... | 180k Ω , 5%, $\frac{1}{2}$ W } | |
| V6 ... | D4 ... | 30FL1 ... | 30FL2 ... | Improved type |
| V10 ... | D1 ... | PL500 ... | PL504 ... | Improved type |
| V11 ... | E2 ... | PY800 ... | PY801 ... | Improved type |
| W10 ... | E1 ... | IRCTV6 ... | BY126 ... | Improved type |
| W11 ... | G2 ... | IRCTV12 ... | BY127 ... | Improved type |
| Tag 32 ... | F1, 2 ... | — ... | Deleted } | No longer required due to deletion of R107 |
| Tag 33 ... | F2 ... | — ... | Deleted } | |
| Tag 41 ... | J6 ... | — ... | Deleted ... | No longer required |
| Tag 50 ... | J4 ... | — ... | Added } | Amended wiring to reduce hum |
| Tag 51 ... | F7 ... | — ... | Added } | |

Screen introduced over ratio detector to reduce hum on 625 caused by radiation from deflector coils.

T20 Tuner (UHF)

| | | | | |
|----------|--------|-------------------|----------------|----------------------|
| R354 ... | D2 ... | 1k Ω ... | 470 Ω } | To prevent squegging |
| R355 ... | C2 ... | 2.5k Ω ... | 1k Ω } | |