

Modifying the American JVC Videosphere model 3240 to work on PAL 1 UK or PAL G Australia

The sound inter-carrier frequency in the USA is 4.5 MHz. This has to be re-tuned to 6 MHz to suit PAL 1 UK or 5.5 MHz to suit PAL G Australia.

It is advised to only allow a qualified TV engineer to carry out this modification.

Modification Using a Signal Generator

If a signal generator is available this can be done by following the sound alignment procedure of page 5, section 2 of the service manual.

A 6 MHz or 5.5 MHz signal can be used instead of 4.5 MHz.

However it can be done using the following method very successfully if no signal generator is available.

Modification without a Signal Generator

1. Partially remove the rear cover. There is no need to disconnect the aerial or speakers
2. Remove board A (See service manual) enough to get access on the print side to coils T201, T202 and T103. These are the coils to be re-tuned.
3. Position the set carefully so that the screen can be seen and tuned into a broadcast signal. Be extremely careful that board A is not touching any part(s) on the chassis electrically.
4. Using the trimming tool provided, very carefully turn the core anticlockwise on T201 until sound can be heard. Do not use any force, as the Ferrite core is very brittle and easily broken.
5. Using the trimming tool provided, very carefully turn T202 anticlockwise for maximum sound. Do not use any force, as the Ferrite core is very brittle and easily broken.
6. Using the trimming tool provided, very carefully turn T103 anticlockwise for maximum sound. Do not use any force, as the Ferrite core is very brittle and easily broken.
7. If the picture is not tuned right, adjust it using the UHF control.
8. Repeating from step 4 until optimum results achieved.