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REAL



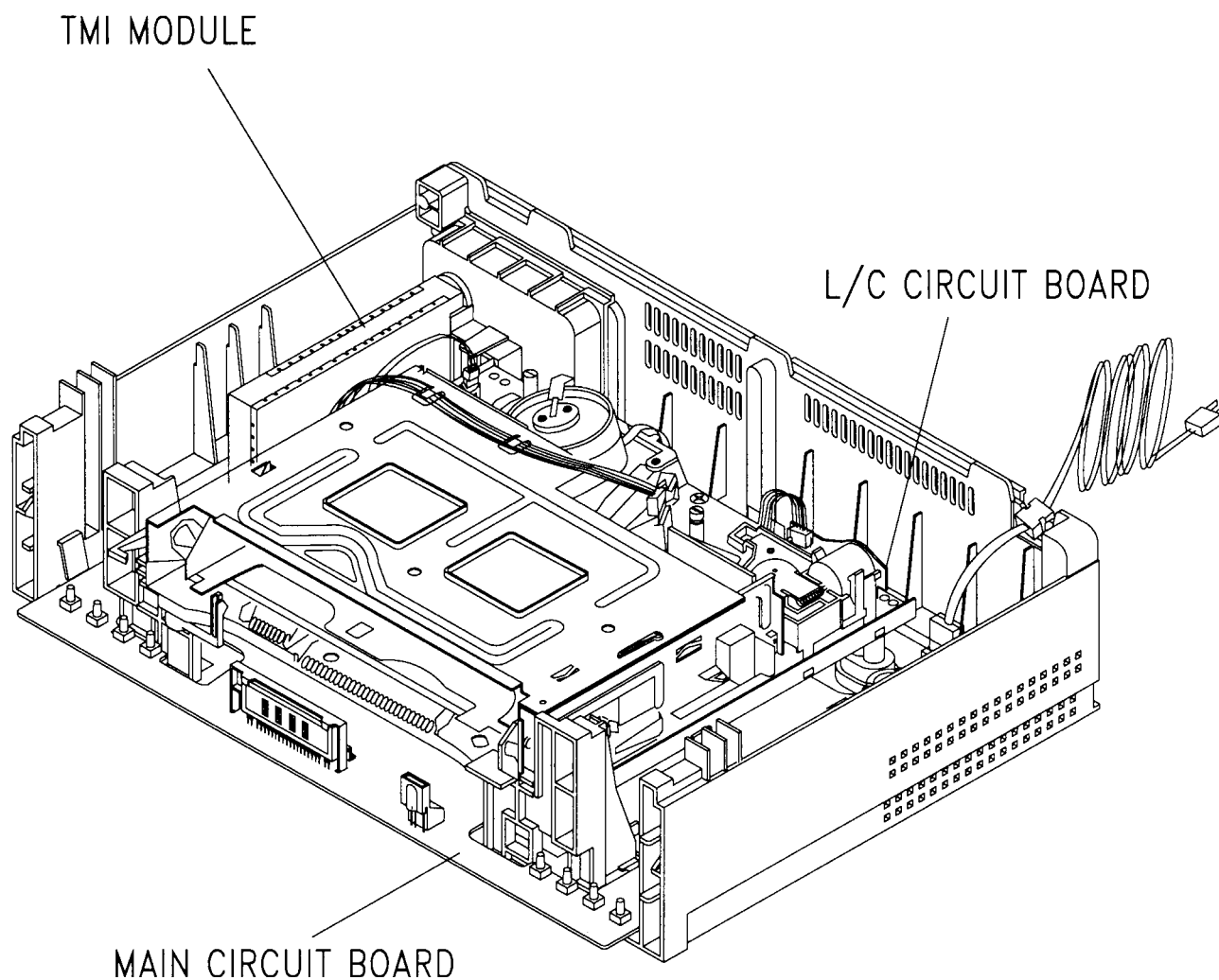
PROS

# VR636HF/VR645HF/VG4268

## ELECTRICAL ADJUSTMENTS



### Circuit Board Location



*Fig. 1 Circuit Board Location*



VR636HF/VR645HF/VG4268  
ELECTRICAL ADJUSTMENTS



Main Board Test Point/Control Location Guide

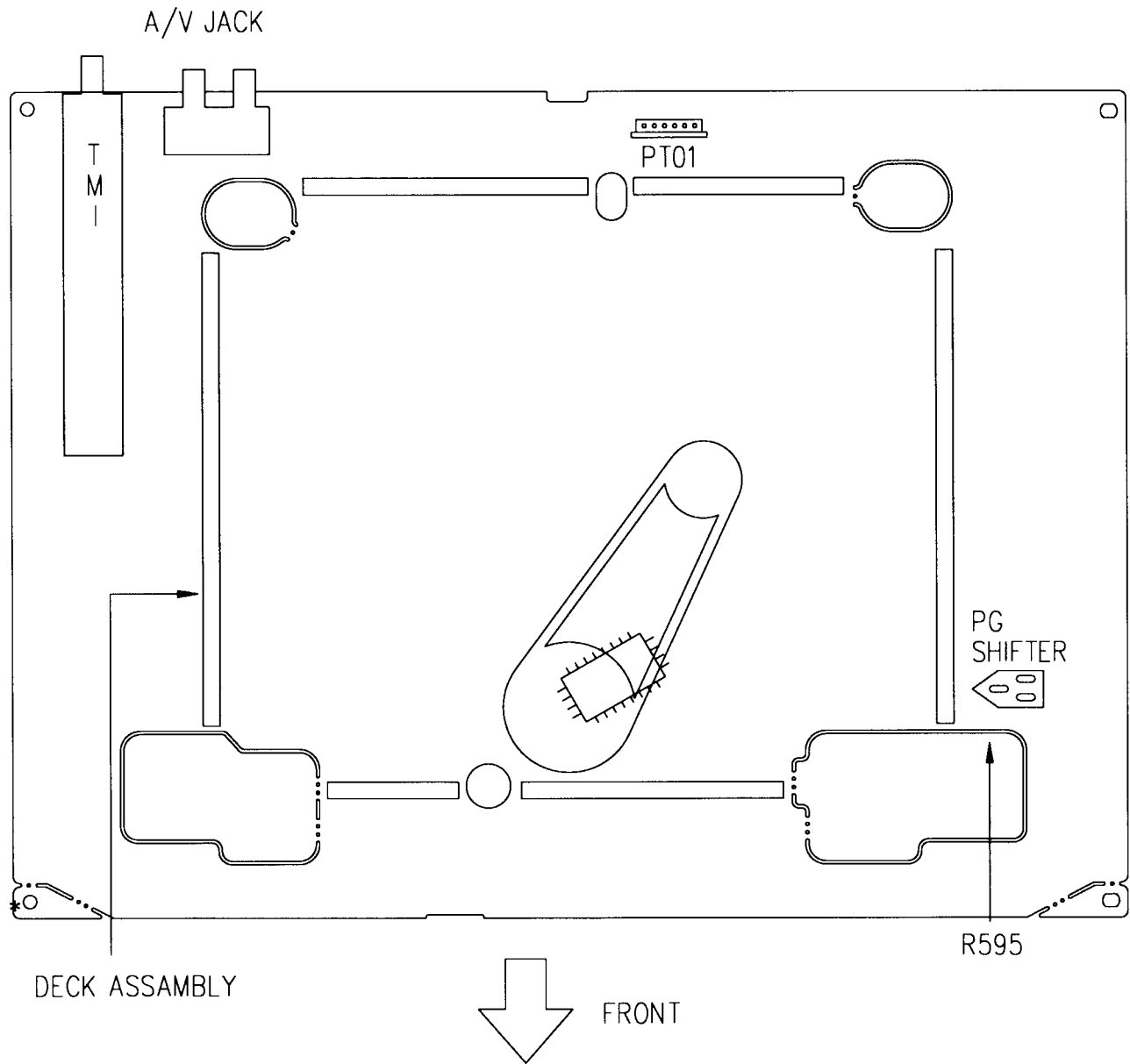


Fig. 2 Main Board Test Point/Control Location Guide (Component)



## ELECTRICAL ADJUSTMENTS

**PG (Pulse Generator) Shifter Adjustment**

Test Points: PT01 Pin 3	Main
Video Out Jack	Rear Panel
Adjust: VR595 (PG Shifter)	Main

The Phase Generator (PG) Shifter determines the video head switching point during playback. Misadjustment of the PG shifter may cause head switching noise in the picture and/or vertical jitter.

1. Load the instrument with an alignment tape and play back the color bar signal or monoscope signal.
2. Connect channel-1 scope probe (1V/div.: 50 $\mu$ sec/div.) to PT01 PIN (3). Trigger the scope on channel-1.
3. Connect channel-2 scope probe (1V/div.) to the Video Out Jack.
4. Set the scope to (-) slope and adjust the PG Shifter control VR595 so that the trailing edge of the SW 30Hz pulse is placed  $6.5H \pm 0.5H$  (horizontal) lines before the start of vertical sync pulse.

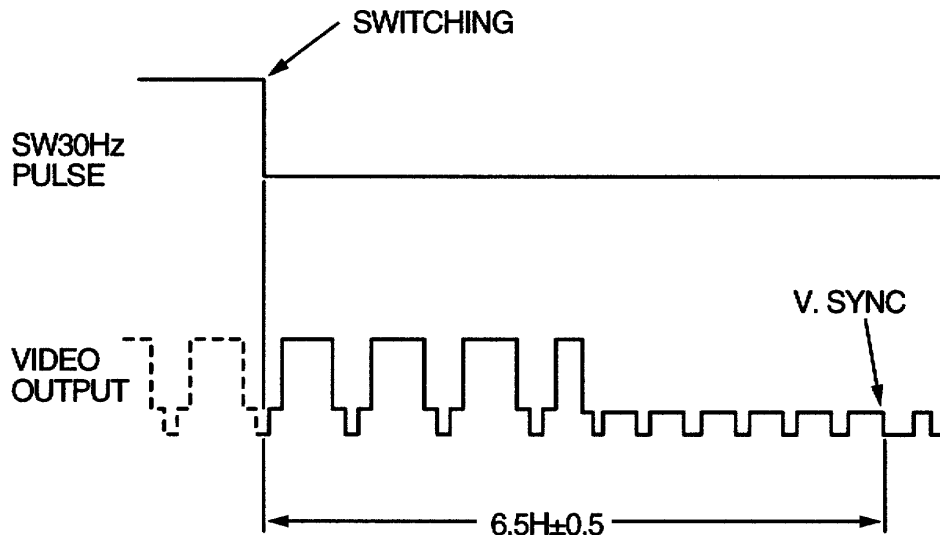


Fig. 3 PG Shifter Adjustment



## ELECTRICAL ADJUSTMENTS



### Stereo Separation Adjustment

Test Points: (-) Terminal of C112      Main

Adjust:      R191

1. Connect scope probe to (-) Terminal of C112.
2. Receive RF signal.  
    RF signal condition:  
    (1) Audio: 1KHz 100% Mod.  
    (2) RF OUT Level: 73dB $\mu$ V
3. Adjust the STEREO SEPARATION Adjustment R191 so that the Audio signal (1KHz) level comes to be 700mVp $\pm$ 50mVp-p.

