

SECTION3 ELECTRICA

ELECTRICAL ADJUSTMENT PROCEDURES

Electronic Test Equipment

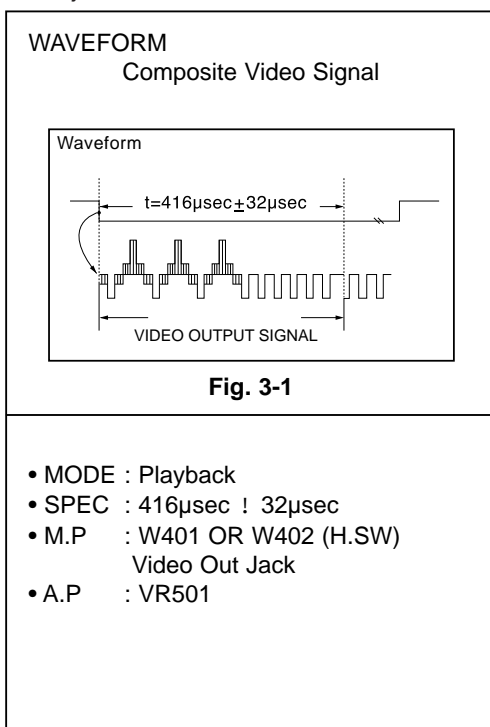
- | | | |
|--------------------------|------------------|----------------------|
| • Oscilloscope | • + Driver | • Digital Multimeter |
| • Video Signal Generator | • Test Tape (SP) | • Monitor Scope |
| • Level Meter | • Recording Tape | • Power Supply |

ABBREVIATIONS

- | | | |
|------------------------|---------------------------|--------------------------|
| • SPEC : SPECIFICATION | • M.P : MEASUREMENT POINT | • A.P : Adjustment Point |
|------------------------|---------------------------|--------------------------|

1. Servo Circuit

1) PG Adjustment



Purpose:

For the phase dividing of the Video A,B heads with 180° and the exact tracking of each track to meet head switching point with VHS Spec.

Procedure:

- Playback a PAL SP test tape.
(At this time, the "ART" is lighting, after pressing the A. TR(+) or A. TR (-) and adjust the X-Value).
- Connect CH-1 terminal of oscilloscope to W401 or W402(H.SW) and CH-2 terminal to Video Out Jack of the unit.
- Trigger the complex Video signal of CH2 to CH-1 (H.SW), and adjust VR501 so that the distance from A(B) head selection point of H.SW signal to the starting point of Vertical synchronized signal is $416\mu\text{sec} \pm 32\mu\text{sec}$.

Reference:

- !PG adjustment is practiced in the state of maximum RF level and locked servo system.
- The deviation between A/B Head Adjustment location should be within $\pm 20\mu\text{sec}$.
- The deviation between the specification of adjustment and the practical measurement value should be within $\pm 20\mu\text{sec}$.
- Oscilloscope and VCR set should be connected with GND.

2) Connection Diagram

