

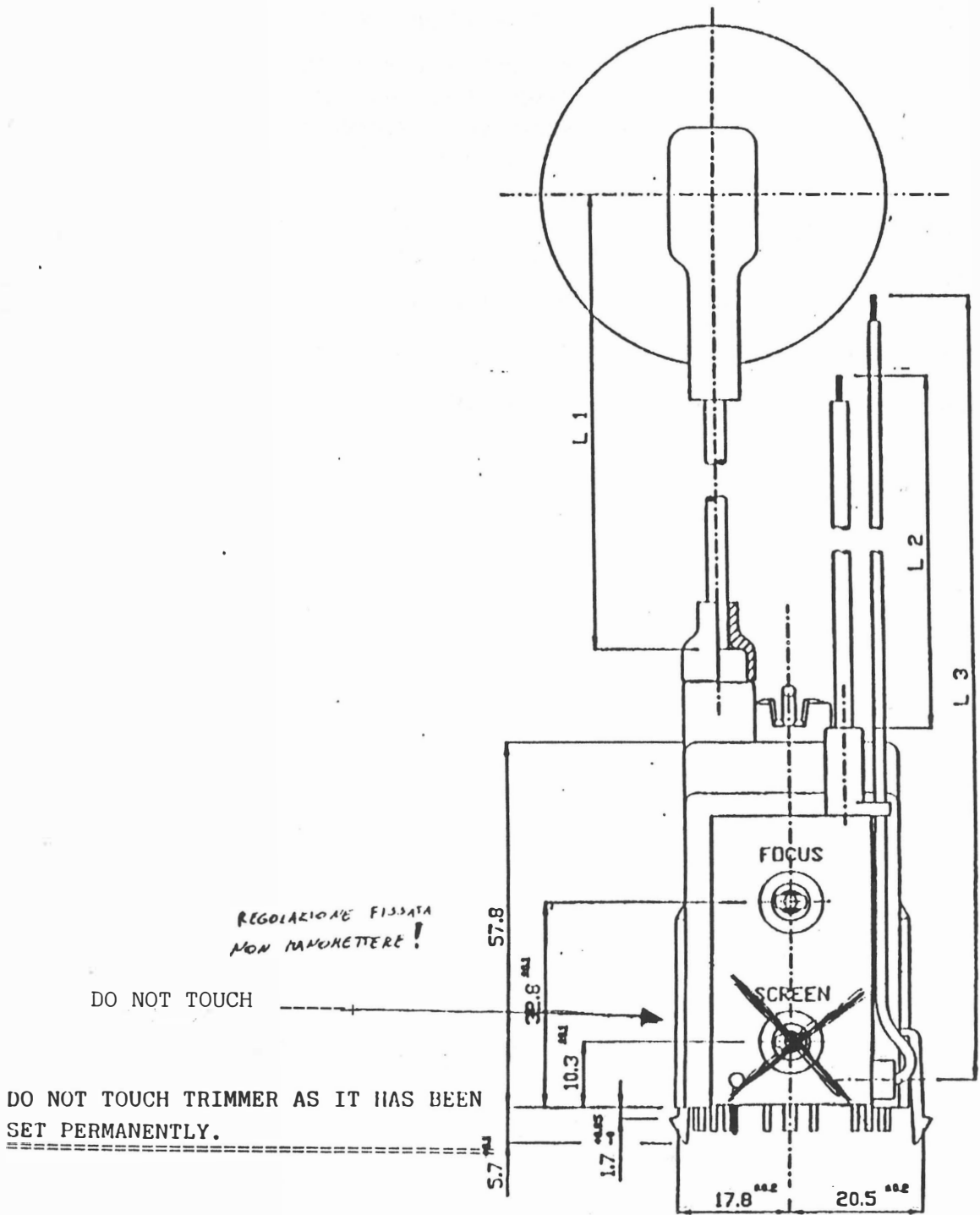
Monitor Magnum/Sogema Version

COLOUR MONITOR RGB 110° AS - JB70

TECHNICAL CHARACTERISTICS:

POWER SUPPLY	:	220 VAC + 25% -50%
POWER	:	70 WATT.
HORIZONTAL FREQUENCY AVERAGE	:	15 + 16 KHZ
INPUT SENSITIVITY RGB	:	0,25 + 5V pp. (TTL)
SINCRONISATION	:	SEPERATE & COMPOSITE SINCRONISMS (H+V, H-V POSITIVE OR NEGATIVE 5V pp. MAX.
VERTICAL BLANKING IMPULSE	:	680 + 1120 USec. CAN BE REGULATED.
EAT	:	25 KV (IK=0)
X - RAY EMISSION PROTECTION	:	ACTIVE + 0 -30KV EAT
WORKING TEMPERATURE	:	0°C + +60°C.

L 1 =	± 20 mm
L 2 =	± 20 mm
L 3 =	± 20 mm



INSTALLATION REGULATIONS

=====

POWER SUPPLY

THE MONITOR IS FED BY THE CONNECTOR CT1 "MAINS AC" THROUGH THE CABLE FITTED. THE POWER SUPPLY IS 220 VOLT AC AND IS APPLIED TO PINS 3 & 4.

SCREEN ENTRY SIGNALS AND SINCRONISM

THE ENTRY SIGNALS BOTH LOGIC AND ANALOGIC, MUST BE ATTACHED TO THE CONNECTOR CT3 AS FOLLOWS:- TERMINAL 6 BLUE? TERMINAL 5 GREEN, TERMINAL 4 RED, TERMINAL 3 GND(EARTH) TERMINAL 2 VERTICAL ENTRY SINCRONISM. IN CASE OF SEPERATE SINCRONISM. CONNECT HORIZONTAL TO 1 AND VERTICAL TO 2
NEGATIVE POSITIVE: IN CASE OF COMPOSITE SINCRONISM CONNECT TO PIN 1:
MOVE NEGATIVES S 2 TOWARDS THE RIGHT, MOVE POSITIVES S 2 TOWARDS THE LEFT.

DEMAGNETISATION.

THE DEMAGNETISATION CIRCUIT ENTERS INTO FUNCTION AUTOMATICALLY EACH TIME THE MONITOR IS SWITCHED ON. TO DEMAGNETIZE WHEN MONITOR IS HOT. SWITCH OFF APPARATUS, WAIT ABOUT 10 MINUTES IN ORDER TO ALLOW PTC TO COOL DOWN AND THEN SWITCH ON APPARATUES AGAIN. THE DEMAGNETISATION COIL MUST BE CONNECTED TO CT2.

SCREEN INVERSION.

THE INVERSION OF THE SCREEN CAN BE ATTAINED BY EXCHANGING THE PLUG OF THE YOKE ON CONNECTORS CT6 AND CT7. THIS OPERATION MUST BE DONE WHEN MONITOR IS SWITCHED OFF.

C A L I B R A T I O N

=====

NECESSARY INSTRUMENTS:

- DIGITAL MULTIMETRES WITH INPUT IMPEDENCE OF 10 Mohm
- MONOSCOPE GRID WITH EXIT RGB.

POWER SUPPLY.

THE POWER SUPPLY IS REGULATED DURING THE TEST PERIOD VIA THE TRIMMER P1 AT A VALUE OF 145 V ON THE CATHODE OF D9. THIS OPERATION MUST BE CARRIED OUT ON A COLD MONITOR. THE TRIMMER IS SET WITH A DROP O SEALING PAINT AND IN ORDER FOR THE POWER SUPPLY TO FUNCTION PROPERLY IT IS WISE NOT TO TOUCH THE TRIMMER.

RGB FINALS

ON THE FINAL CIRCUIT RGB AGO3 THE GAIN CONTROLS OF THE STAGE AMPLIFIER OF SIGNALS ARE ACCESSIBLE. THE RED SIGNAL IS PURPOSELY KEPT AT A FIXED VALUE TO FACILITATE THE ALIGNING OPERATIONS. REGULATE P401 AND P402 TO OBTAIN A WHITE COLOUR AS NEUTRAL AS POSSIBLE.

GEOMETRY

TO REGULATE THE GEOMETRY INSERT EITHER A GRID GENERATOR OR A MONOSCOPE AND SET THE APPROPRIATE TRIMMERS. THE MAJORITY OF THE CONTROLS ARE PLACED TOGETHER ON CIRCUIT AS-JB71. WHILST ON THE BASE CIRCUIT ONE CAN FIND THE COMMANDS FOR THE REGULATION OF THE PI ENTRY SENSITIVITY, FOR THE VERTICAL LINEARITY P3, FOR THE DURATION OF VERTICAL SHUT DOWN TIME P 4, FOR THE REGULATION OF THE PIN CUSHION & AND THE PARABOLIC SIMMETRY P 5 & P6.

SELECTORS S 3, S 4 AND S 5 ALLOW ONE TO USE THE NEGATIVE VIDEO SIGNALS.

C O N T R O L S

THE MONITOR IS EQUIPPED WITH A BOARD WHERE ONE CAN EFFECT ALL ADJUSTMENTS AND THIS BOARD CAN BE TAKEN OUT OF THE MONITOR IN ORDER TO EFFECT ADJUSTMENTS ON THE VIDEO GAMES, VIA AN EXTENSION LEAD OF A PROFESSIONAL TYPE "FLAT CABLE".