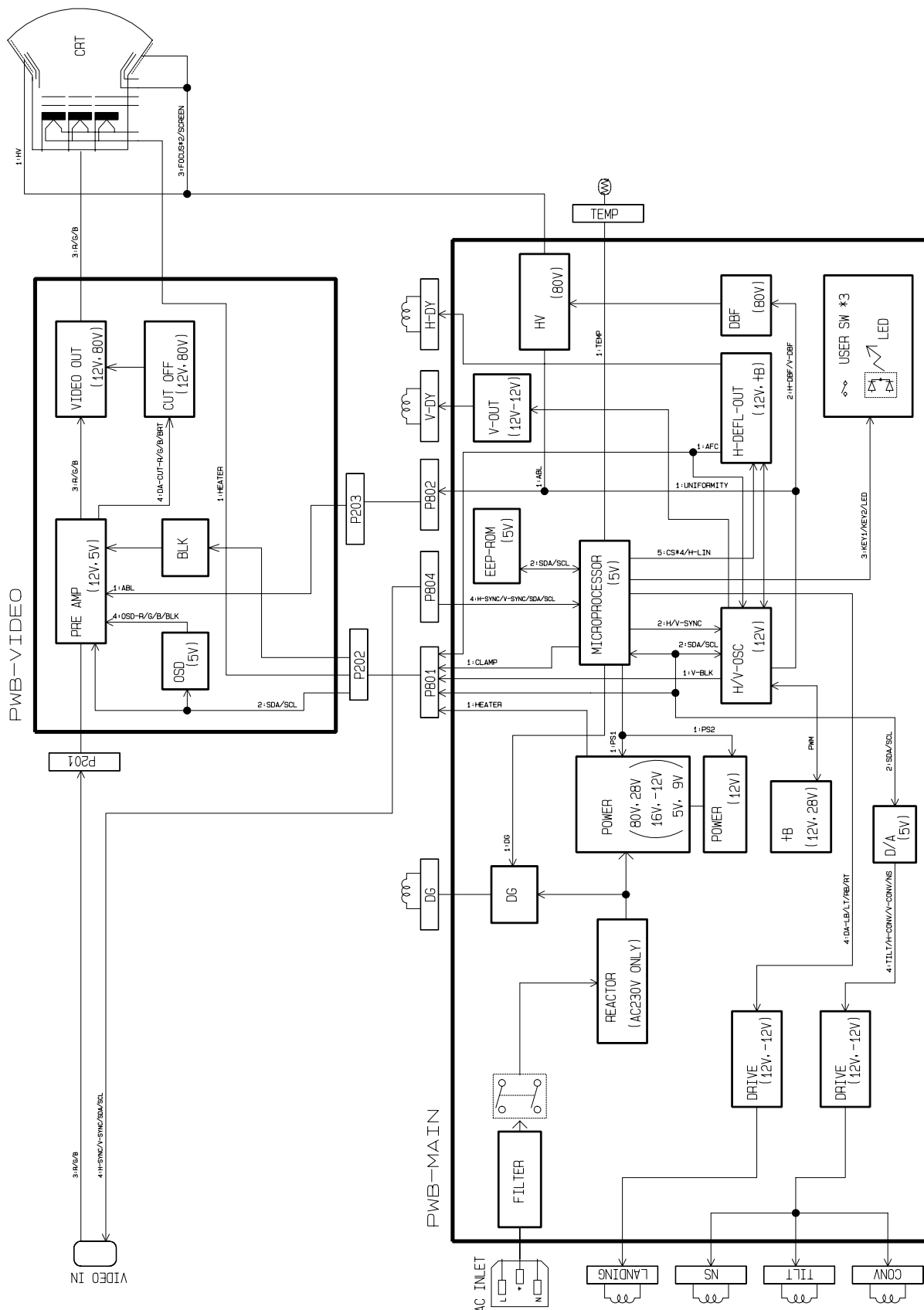
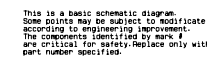


MA901U/MF901U BLOCK DIAGRAMS



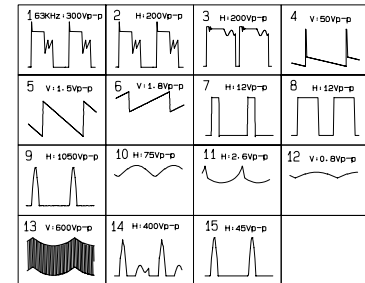


CAPACITOR - IF NOT SPECIFICALLY DESIGNATED, ARE:
UNIT: - μ F RATED
VOLTAGE: 50V
C - CERAMIC
E - ELECTROLYTIC
C-2 - 25°C $\pm 10\%$ C.M.C.
SPECIAL - SPECIAL SPECIAL - SPECIAL
AS FOR C-1 - SPECIAL SPECIAL - SPECIAL
VOLTAGE 50/25V

DIODE - IF NOT SPECIFICALLY DESIGNATED, ARE:
1N4148/1N5010/1N5011

DIODE - CHIP - IF NOT SPECIFICALLY DESIGNATED, ARE:
HM123/DAN127/1P5026

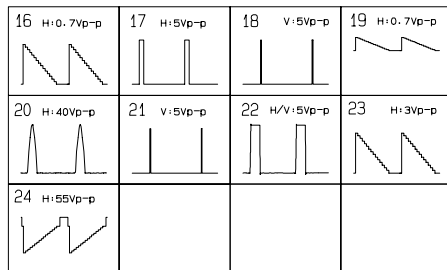
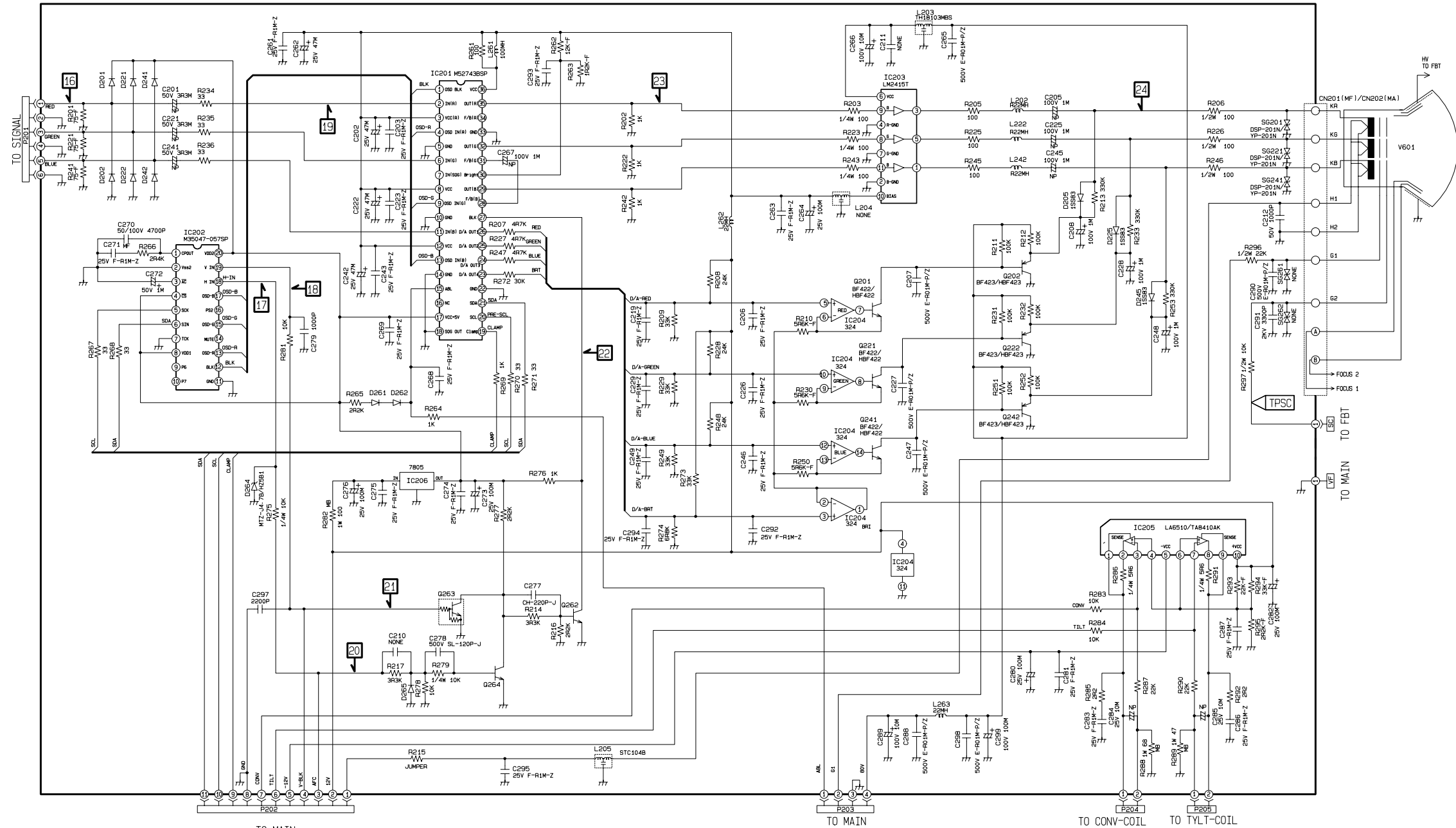
TRANSISTOR - CHIP
NPN-BT1815/2SC2415/KTC3870/90G01
PNP-2N2907/2N2908/2N2909/2N2910/2N2911/2N2912/2N2913/2N2914/2N2915/2N2916/2N2917/2N2918/2N2919/2N2920/2N2921/2N2922/2N2923/2N2924/2N2925/2N2926/2N2927/2N2928/2N2929/2N2930/2N2931/2N2932/2N2933/2N2934/2N2935/2N2936/2N2937/2N2938/2N2939/2N2940/2N2941/2N2942/2N2943/2N2944/2N2945/2N2946/2N2947/2N2948/2N2949/2N2950/2N2951/2N2952/2N2953/2N2954/2N2955/2N2956/2N2957/2N2958/2N2959/2N2960/2N2961/2N2962/2N2963/2N2964/2N2965/2N2966/2N2967/2N2968/2N2969/2N2970/2N2971/2N2972/2N2973/2N2974/2N2975/2N2976/2N2977/2N2978/2N2979/2N2980/2N2981/2N2982/2N2983/2N2984/2N2985/2N2986/2N2987/2N2988/2N2989/2N2990/2N2991/2N2992/2N2993/2N2994/2N2995/2N2996/2N2997/2N2998/2N2999/2N3000/2N3001/2N3002/2N3003/2N3004/2N3005/2N3006/2N3007/2N3008/2N3009/2N3010/2N3011/2N3012/2N3013/2N3014/2N3015/2N3016/2N3017/2N3018/2N3019/2N3020/2N3021/2N3022/2N3023/2N3024/2N3025/2N3026/2N3027/2N3028/2N3029/2N3030/2N3031/2N3032/2N3033/2N3034/2N3035/2N3036/2N3037/2N3038/2N3039/2N3040/2N3041/2N3042/2N3043/2N3044/2N3045/2N3046/2N3047/2N3048/2N3049/2N3050/2N3051/2N3052/2N3053/2N3054/2N3055/2N3056/2N3057/2N3058/2N3059/2N3060/2N3061/2N3062/2N3063/2N3064/2N3065/2N3066/2N3067/2N3068/2N3069/2N3070/2N3071/2N3072/2N3073/2N3074/2N3075/2N3076/2N3077/2N3078/2N3079/2N3080/2N3081/2N3082/2N3083/2N3084/2N3085/2N3086/2N3087/2N3088/2N3089/2N3090/2N3091/2N3092/2N3093/2N3094/2N3095/2N3096/2N3097/2N3098/2N3099/2N3100/2N3101/2N3102/2N3103/2N3104/2N3105/2N3106/2N3107/2N3108/2N3109/2N3110/2N3111/2N3112/2N3113/2N3114/2N3115/2N3116/2N3117/2N3118/2N3119/2N3120/2N3121/2N3122/2N3123/2N3124/2N3125/2N3126/2N3127/2N3128/2N3129/2N3130/2N3131/2N3132/2N3133/2N3134/2N3135/2N3136/2N3137/2N3138/2N3139/2N3140/2N3141/2N3142/2N3143/2N3144/2N3145/2N3146/2N3147/2N3148/2N3149/2N3150/2N3151/2N3152/2N3153/2N3154/2N3155/2N3156/2N3157/2N3158/2N3159/2N3160/2N3161/2N3162/2N3163/2N3164/2N3165/2N3166/2N3167/2N3168/2N3169/2N3170/2N3171/2N3172/2N3173/2N3174/2N3175/2N3176/2N3177/2N3178/2N3179/2N3180/2N3181/2N3182/2N3183/2N3184/2N3185/2N3186/2N3187/2N3188/2N3189/2N3190/2N3191/2N3192/2N3193/2N3194/2N3195/2N3196/2N3197/2N3198/2N3199/2N3200/2N3201/2N3202/2N3203/2N3204/2N3205/2N3206/2N3207/2N3208/2N3209/2N3210/2N3211/2N3212/2N3213/2N3214/2N3215/2N3216/2N3217/2N3218/2N3219/2N3220/2N3221/2N3222/2N3223/2N3224/2N3225/2N3226/2N3227/2N3228/2N3229/2N3230/2N3231/2N3232/2N3233/2N3234/2N3235/2N3236/2N3237/2N3238/2N3239/2N3240/2N3241/2N3242/2N3243/2N3244/2N3245/2N3246/2N3247/2N3248/2N3249/2N3250/2N3251/2N3252/2N3253/2N3254/2N3255/2N3256/2N3257/2N3258/2N3259/2N3260/2N3261/2N3262/2N3263/2N3264/2N3265/2N3266/2N3267/2N3268/2N3269/2N3270/2N3271/2N3272/2N3273/2N3274/2N3275/2N3276/2N3277/2N3278/2N3279/2N3280/2N3281/2N3282/2N3283/2N3284/2N3285/2N3286/2N3287/2N3288/2N3289/2N3290/2N3291/2N3292/2N3293/2N3294/2N3295/2N3296/2N3297/2N3298/2N3299/2N3300/2N3301/2N3302/2N3303/2N3304/2N3305/2N3306/2N3307/2N3308/2N3309/2N3310/2N3311/2N3312/2N3313/2N3314/2N3315/2N3316/2N3317/2N3318/2N3319/2N3320/2N3321/2N3322/2N3323/2N3324/2N3325/2N3326/2N3327/2N3328/2N3329/2N3330/2N3331/2N3332/2N3333/2N3334/2N3335/2N3336/2N3337/2N3338/2N3339/2N3340/2N3341/2N3342/2N3343/2N3344/2N3345/2N3346/2N3347/2N3348/2N3349/2N3350/2N3351/2N3352/2N3353/2N3354/2N3355/2N3356/2N3357/2N3358/2N3359/2N3360/2N3361/2N3362/2N3363/2N3364/2N3365/2N3366/2N3367/2N3368/2N3369/2N3370/2N3371/2N3372/2N3373/2N3374/2N3375/2N3376/2N3377/2N3378/2N3379/2N3380/2N3381/2N3382/2N3383/2N3384/2N3385/2N3386/2N3387/2N3388/2N3389/2N3390/2N3391/2N3392/2N3393/2N3394/2N3395/2N3396/2N3397/2N3398/2N3399/2N3400/2N3401/2N3402/2N3403/2N3404/2N3405/2N3406/2N3407/2N3408/2N3409/2N3410/2N3411/2N3412/2N3413/2N3414/2N3415/2N3416/2N3417/2N3418/2N3419/2N3420/2N3421/2N3422/2N3423/2N3424/2N3425/2N3426/2N3427/2N3428/2N3429/2N3430/2N3431/2N3432/2N3433/2N3434/2N3435/2N3436/2N3437/2N3438/2N3439/2N3440/2N3441/2N3442/2N3443/2N3444/2N3445/2N3446/2N3447/2N3448/2N3449/2N3450/2N3451/2N3452/2N3453/2N3454/2N3455/2N3456/2N3457/2N3



AC input voltage: AC120V
Resolution : 1280*1024 @85Hz

| | | | | | | | | | | | | |
|-----------|----------------------|--------------------------|----------|--------------------|----------|-----------------|---|---|---|---|---|------------------|
| 50 | | IIYAMA ELECTRIC CO., LTD | | | | DRAWING TITLE | | | | | | |
| 40 | | DATE '00 - 10 - 6 | | PARTS-LIST REV. 'J | | CIRCUIT DIAGRAM | | | | | | |
| 30 | | DRAWN | DESIGNED | CHECKED | APPROVED | DRAWING NO. | | | | | | |
| 20 | | | | | | 9 | 8 | 0 | S | 0 | 1 | 9 ^{1/2} |
| 10 | | | | | | | | | | | | |
| GROUP NO. | APPLICABLE MODEL NO. | T. IKEDA | | H. TODOROKI | | | | | | | | |

PWB-VIDEO



CAPACITOR : IF NOT SPECIFICALLY DESIGNATED ARE:
UNIT: μF RATED
VOLTAGE: 50V
SPECIAL: B SPECIAL
TOLERANCE: C-C/C-TA-K, C-E-M
AS FOR C-C-CHIP F-R01-Z
VOLTAGE: 50/25V

DIODE : IF NOT SPECIFICALLY DESIGNATED ARE:
M4148/1S113/1S150

TRANSISTOR : IF NOT SPECIFICALLY DESIGNATED ARE:
NPN: 8T1815/2SC2412/KTC3876/2PD601
PNP: 8T1015/2SA1037/KTA1054/2PB709
SWITCH: NPN: KRC103/OTC124/2N1403/POTC124
SWITCH: PNP: KRA103/DTA124/RN2403/POTA124

RESISTOR : IF NOT SPECIFICALLY DESIGNATED ARE:
MATEGE: R-M-CHIP-1/10W
TOLERANCE: J

This is a basic schematic diagram.
Some points may be subject to modificate
according to engineering improvement.
The components identified by mark #
are critical for safety. Replace only with
part number specified.

CHANGE

| | | | | | |
|-----------|----------------------|----------|-------------|--|--|
| 50 | | | | | |
| 40 | | | | | |
| 30 | | | | | |
| 20 | | | | | |
| 10 | | | | | |
| GROUP NO. | APPLICABLE MODEL NO. | T. IKEDA | H. TODOROKI | | |

IIYAMA ELECTRIC CO., LTD

DATE '00 - 10 - 6 PARTS-LIST REV. 未

DRAWN DESIGNED CHECKED APPROVED

DRAWING TITLE
CIRCUIT DIAGRAM

DRAWING NO.

980S019^{2/2}

ADJUSTMENT MODE

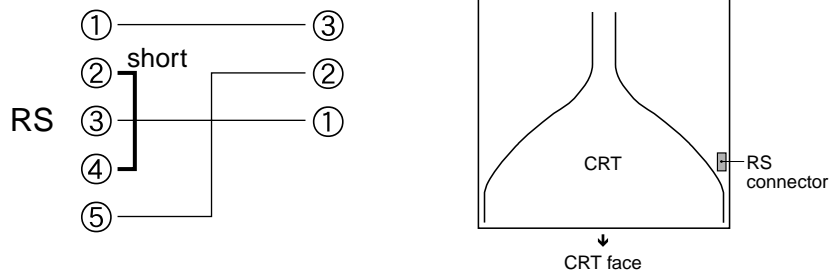
There are two different modes available to adjust the monitor as described below. The adjustments with ' in front of the title are only available under User Mode. The adjustments with ` in front of the title are only available under Factory Mode. You can perform the other adjustments by either User or Factory Mode. Please change the mode as required.

USER MODE :

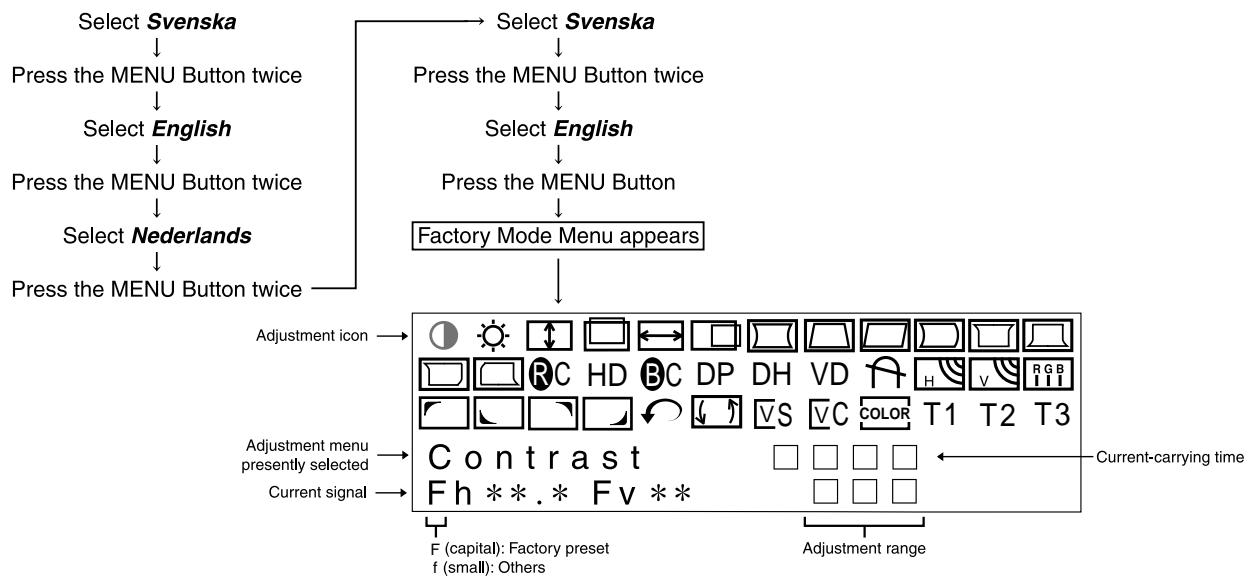
Turn ON the Power Switch and you are in the User Mode.

FACTORY MODE : There are two ways to enter the Factory Mode.

1. Turn OFF the Power Switch. Short between pins 2 and 4 of RS connector on the PWB-MAIN with a short-connector. Turn ON the Power Switch and you are in the Factory Mode. The following Factory Mode Menu appears on the screen when you press the MENU Button. Turn OFF the Power Switch and remove the short-connector from RS connector to exit.



2. In the adjustment menu, select "Function" on the Main Menu and then select "Language" on the Sub-Menu. Follow the flow chart below and you are in the Factory Mode. Turn OFF the Power Switch to exit.



The menu items in the Factory Mode are as follows:

| | | | | | |
|------------|-----------------|--------------|---------------|--------------|-----------------|
| Contrast | Pincushion | Pbalance Top | DBF Phase | Top-left | V linearside |
| Brightness | Trapezoid | Pbalance Btm | V DBF | Bottom-left | V linear corner |
| V-size | Parallelogram | Cutoff red | Degauss | Top-right | Temp cont |
| V-position | Pbalance | Cutoff green | H mode | Bottom-right | DA TEST 1 |
| H-size | Side pin Top | Cutoff blue | V mode | NS | DA TEST 2 |
| H-position | Side pin Bottom | DBF Para | H convergence | Tilt-DY | DA TEST 3 * |

* DA TEST 3 helps you to perform H/V-BLANKING and H-CONVERGENCE /TILT-DY confirmations in this SET-UP ADJUSTMENTS. The following items are displayed automatically in turn.

1. H-convergence
2. Tilt-dy
3. H/V-blanking

EXTERNAL DEGAUSS

Make sure you disable the Bottom -right, Top-right, Top-left, Bottom -left, and nc settings before performing the external degauss. Follow the procedure below depending on the adjustment mode you are in.

PROCEDURE

USER MODE

- 1) Select Degauss and press the MENU Button so that the Bottom -right, Top-right, Top-left, Bottom -left, and nc will be disabled.
- 2) Degauss the entire screen with degausser while the Degauss is activated (approx. 6 seconds).

FACTORY MODE

- 1) Select Degauss and press the MENU Button so that the Top-left, Bottom -left, Top-right, Bottom -right, and NS will be disabled.
- 2) Confirm that the OSD stays displayed on the screen.
Note: If the OSD disappears, restart from 1).
- 3) Degauss the entire screen with degausser.