

The schematic diagram illustrates the internal circuitry of the radio receiver section. Key components and connections include:

- Inputs:** ANTENNA (A4-37), INT/EXT (A4-38), IF (A2-13), L/L' or BG/DK (A4-24), and BASEBAND CVBS (A2-14).
- Power and Biasing:** +14De, +8V, +8Vd, +8Va, 5V, 1V6, 1V0, 0V6=BG, and 0V=L.
- Key ICs and Components:** 1160 (Main Processor), 3161, 3162, 3163, 3164, 3165, 3166, 3167, 3168, 3169, 3170, 3171, 3172, 3173, 3174, 3175, 3176, 3177, 3178, 3179, 3180, 3181, 3182, 3183, 3184, 3185, 3186, 3187, 3188, 3189, 3190, 3191, 3192, 3193, 3194, 3195, 3196, 3197, 3198, 3199, 3200, 3201, 3202, 3203, 3204, 3205, 3206, 3207, 3208, 3209, 3210, 3211, 3212, 3213, 3214, 3215, 3216, 3217, 3218, 3219, 3220, 3221, 3222, 3223, 3224, 3225, 3226, 3227, 3228, 3229, 3230, 3231, 3232, 3233, 3234, 3235, 3236, 3237, 3238, 3239, 3240, 3241, 3242, 3243, 3244, 3245, 3246, 3247, 3248, 3249, 3250, 3251, 3252, 3253, 3254, 3255, 3256, 3257, 3258, 3259, 3260, 3261, 3262, 3263, 3264, 3265, 3266, 3267, 3268, 3269, 3270, 3271, 3272, 3273, 3274, 3275, 3276, 3277, 3278, 3279, 3280, 3281, 3282, 3283, 3284, 3285, 3286, 3287, 3288, 3289, 3290, 3291, 3292, 3293, 3294, 3295, 3296, 3297, 3298, 3299, 3300, 3301, 3302, 3303, 3304, 3305, 3306, 3307, 3308, 3309, 3310, 3311, 3312, 3313, 3314, 3315, 3316, 3317, 3318, 3319, 3320, 3321, 3322, 3323, 3324, 3325, 3326, 3327, 3328, 3329, 3330, 3331, 3332, 3333, 3334, 3335, 3336, 3337, 3338, 3339, 3340, 3341, 3342, 3343, 3344, 3345, 3346, 3347, 3348, 3349, 3350, 3351, 3352, 3353, 3354, 3355, 3356, 3357, 3358, 3359, 3360, 3361, 3362, 3363, 3364, 3365, 3366, 3367, 3368, 3369, 3370, 3371, 3372, 3373, 3374, 3375, 3376, 3377, 3378, 3379, 3380, 3381, 3382, 3383, 3384, 3385, 3386, 3387, 3388, 3389, 3390, 3391, 3392, 3393, 3394, 3395, 3396, 3397, 3398, 3399, 3400, 3401, 3402, 3403, 3404, 3405, 3406, 3407, 3408, 3409, 3410, 3411, 3412, 3413, 3414, 3415, 3416, 3417, 3418, 3419, 3420, 3421, 3422, 3423, 3424, 3425, 3426, 3427, 3428, 3429, 3430, 3431, 3432, 3433, 3434, 3435, 3436, 3437, 3438, 3439, 3440, 3441, 3442, 3443, 3444, 3445, 3446, 3447, 3448, 3449, 3450, 3451, 3452, 3453, 3454, 3455, 3456, 3457, 3458, 3459, 3460, 3461, 3462, 3463, 3464, 3465, 3466, 3467, 3468, 3469, 3470, 3471, 3472, 3473, 3474, 3475, 3476, 3477, 3478, 3479, 3480, 3481, 3482, 3483, 3484, 3485, 3486, 3487, 3488, 3489, 3490, 3491, 3492, 3493, 3494, 3495, 3496, 3497, 3498, 3499, 3500, 3501, 3502, 3503, 3504, 3505, 3506, 3507, 3508, 3509, 3510, 3511, 3512, 3513, 3514, 3515, 3516, 3517, 3518, 3519, 3520, 3521, 3522, 3523, 3524, 3525, 3526, 3527, 3528, 3529, 3530, 3531, 3532, 3533, 3534, 3535, 3536, 3537, 3538, 3539, 3540, 3541, 3542, 3543, 3544, 3545, 3546, 3547, 3548, 3549, 3550, 3551, 3552, 3553, 3554, 3555, 3556, 3557, 3558, 3559, 3560, 3561, 3562, 3563, 3564, 3565, 3566, 3567, 3568, 3569, 3570, 3571, 3572, 3573, 3574, 3575, 3576, 3577, 3578, 3579, 3580, 3581, 3582, 3583, 3584, 3585, 3586, 3587, 3588, 3589, 3590, 3591, 3592, 3593, 3594, 3595, 3596, 3597, 3598, 3599, 3600, 3601, 3602, 3603, 3604, 3605, 3606, 3607, 3608, 3609, 3610, 3611, 3612, 3613, 3614, 3615, 3616, 3617, 3618, 3619, 3620, 3621, 3622, 3623, 3624, 3625, 3626, 3627, 3628, 3629, 3630, 3631, 3632, 3633, 3634, 3635, 3636, 3637, 3638, 3639, 3640, 3641, 3642, 3643, 3644, 3645, 3646, 3647, 3648, 3649, 3650, 3651, 3652, 3653, 3654, 3655, 3656, 3657, 3658, 3659, 3660, 3661, 3662, 3663, 3664, 3665, 3666, 3667, 3668, 3669, 3670, 3671, 3672, 3673, 3674, 3675, 3676, 3677, 3678, 3679, 3680, 3681, 3682, 3683, 3684, 3685, 3686, 3687, 3688, 3689, 3690, 3691, 3692, 3693, 3694, 3695, 3696, 3697, 3698, 3699, 3700, 3701, 3702, 3703, 3704, 3705, 3706, 3707, 3708, 3709, 3710, 3711, 3712, 3713, 3714, 3715, 3716, 3717, 3718, 3719, 3720, 3721, 3722, 3723, 3724, 3725, 3726, 3727, 3728, 3729, 3730, 3731, 3732, 3733, 3734, 3735, 3736, 3737, 3738, 3739, 3740, 3741, 3742, 3743, 3744, 3745, 3746, 3747, 3748, 3749, 3750, 3751, 3752, 3753, 3754, 3755, 3756, 3757, 3758, 3759, 3760, 3761, 3762, 3763, 3764, 3765, 3766, 3767, 3768, 3769, 3770, 3771, 3772, 3773, 3774, 3775, 3776, 3777, 3778, 3779, 3780, 3781, 3782, 3783, 3784, 3785, 3786, 3787, 3788, 3789, 3790, 3791, 3792, 3793, 3794, 3795, 3796, 3797, 3798, 3799, 3800, 3801, 3802, 3803, 3804, 3805, 3806

2107 00X0	SCA41 PAL	SCA42 PAL/SECAM	SYS70 BG mono	SYS71 BG/L/L' mono	SYS72 I mono	SYS73 BG/DK mono	SYS74 BG(25c)	SYS75 BG/DK(25c)	SYS76 NIC BG	SYS77 NIC I	SYS78 NIC L
0070			+++	+++	+++	+++	---	---	---	---	---
1101			5M5	5M5	6M	5M5	---	---	---	---	---
1103			---	---	---	6M5	---	---	---	---	---
1160			---	OFWL9453M	---	---	---	---	---	---	6M5
2126	---	100n									
2127	---	100n									
2128	---	220n									
2133			1n	1n	1n	1n	---	---	---	---	---
2134			47p	47p	47p	47p	---	---	---	---	---
2141			100n	---	100n	100n	---	---	---	---	---
2144			220n	220n	220n	220n	---	---	---	---	---
2145			3n9	3n9	3n9	3n9	---	---	---	---	---
2160			---	4n7	---	---	---	---	---	---	---
2164			---	100n	---	---	---	---	---	---	---
2165			---	220n	---	---	---	---	---	---	---
2167			---	4u7	---	---	---	---	---	---	---
2168			---	4u7	---	---	---	---	---	---	---
2170			1n5	1n5	1n5	1n5	---	---	---	---	---
3109	---	OR									
3120			1k	1k	1k	1k	---	---	---	---	---
3126			---	1k	---	---	---	---	---	---	---
3131			390k	390k	390k	390k	---	---	---	---	1k
3132			680	680	680	680	---	---	---	---	---
3133			180	220	180	180	---	---	---	---	---
3139			3k3	---	3k3	3k3	---	---	---	---	---
3141			150	150	150	150	---	---	---	---	---
3142			18k	---	18k	18k	---	---	---	---	---
3160			---	4k7	---	---	---	---	---	---	---
3161			---	10k	---	---	---	---	---	---	---
3162			---	39k	---	---	---	---	---	---	---
3163			---	22k	---	---	---	---	---	---	---
3164			---	22k	---	---	---	---	---	---	---
3165			---	2k2	---	---	---	---	---	---	---
3166			---	22k	---	---	---	---	---	---	---
3167			---	4k7	---	---	---	---	---	---	---
3168			---	4k7	---	---	---	---	---	---	---
3169			RES	---	RES	RES	---	---	---	---	---
3170			6k8	---	6k8	6k8	---	---	---	---	---
3702			15k	---	15k	15k	---	---	---	---	---
4102			50m	---	50m	50m	---	---	---	---	---
6105			---	1N4148	---	---	---	---	---	---	---
6162			---	1N4148	---	---	---	---	---	---	1N4148
6163			---	1N4148	---	---	---	---	---	---	---
7100	TDA8361/N4	TDA8362E/N4									
7102			---	BC848B	---	---	---	---	---	---	---
7106	---	TDA8395/N1									BC848B
7108			BC848C	BC848C	BC848C	BC848C	---	---	---	---	---
7160			---	RES	---	---	---	---	---	---	---
7161			---	BC848B	---	---	---	---	---	---	---
7162			---	BC848B	---	---	---	---	---	---	---
7163			---	BC858B	---	---	---	---	---	---	---
7164			---	BC858B	---	---	---	---	---	---	---
7700			TDA7052	TDA7052A	TDA7052	TDA7052					
9111			+++	+++	+++	+++	---	---	---	---	---
9112			+++	---	+++	+++	---	---	---	---	---
9802			+++	---	+++	+++	---	---	---	---	---

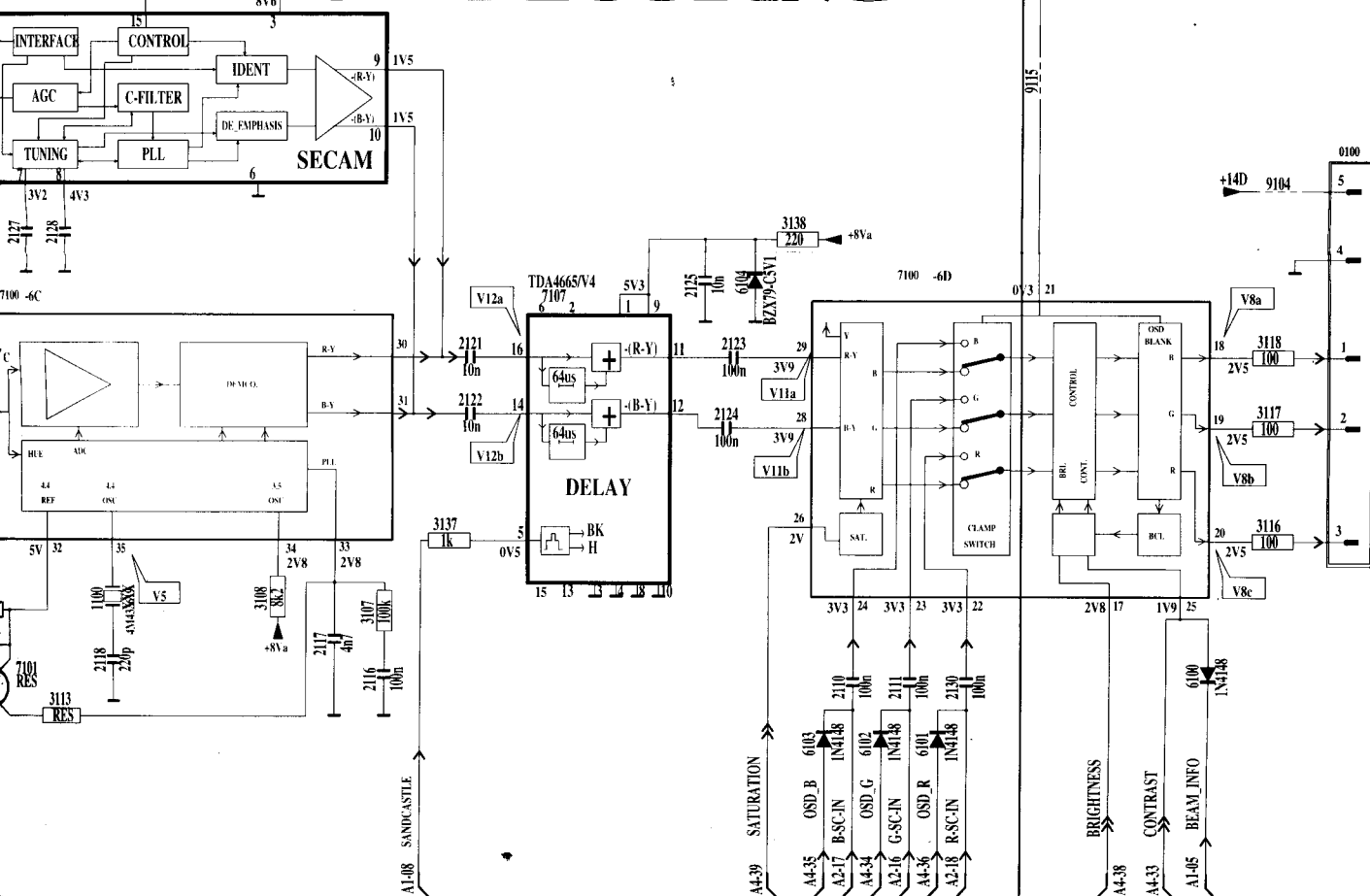
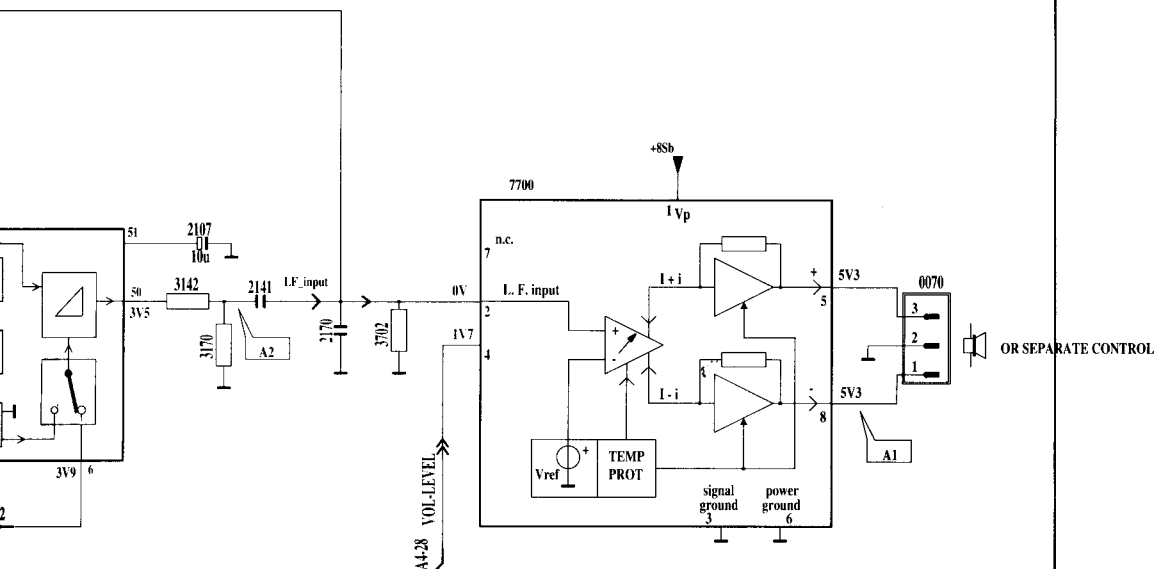
6102 K18 6162 B3 7100 H18 7107 H16 7162 C3 9104 H21 9802 E11 A2-12 E9 A2-16 L18 A4-09 E19 A4-32 E9 A4-36 L19
6103 K18 6163 C2 7101 H12 7108 D8 7163 D5 9111 D11 A1-05 L20 A2-12 A1 A2-17 L18 A4-24 C1 A4-33 L20 A4-37 A1
6104 H17 7100 C11 7102 F18 7164 D6 9112 E11 A1-08 E13 A2-18 L19 A4-28 C9 A4-34 L18 A4-38 L20 A4-39 L20
6105 D7 7100 H12 7106 F13 7161 C3 7700 B15 9115 G19 A1-08 L15 A2-14 B9 A2-48 D9 A4-28 E15 A4-35 L18 A4-39 L17

A345 C3

12 13 14 15 16 17 18 19 20 21 22

OUND

AUDIO AMPL.



B

CRT MODULE

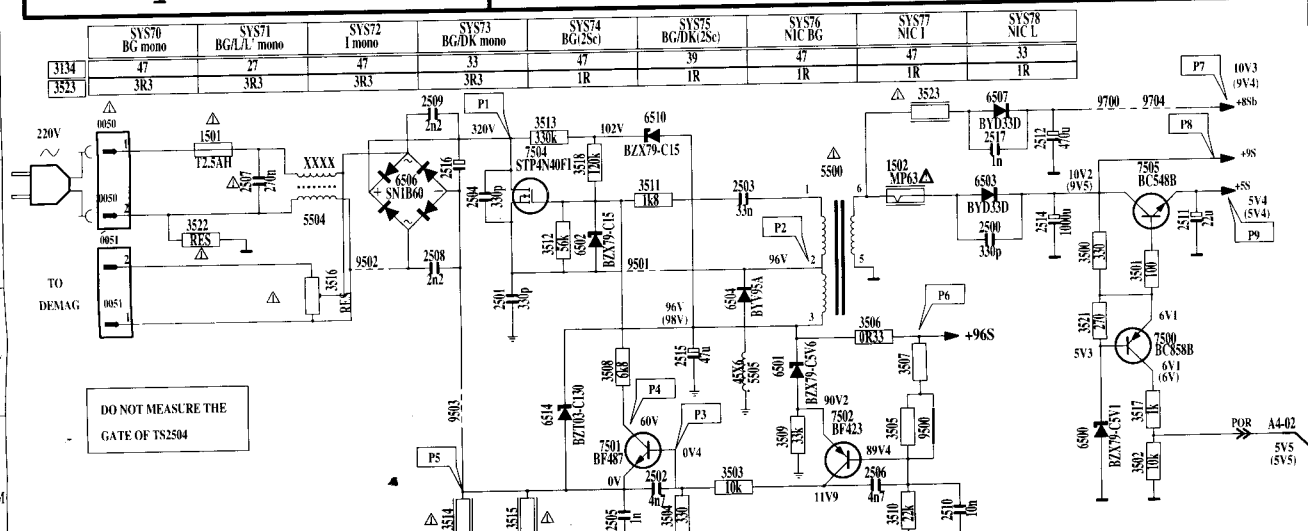
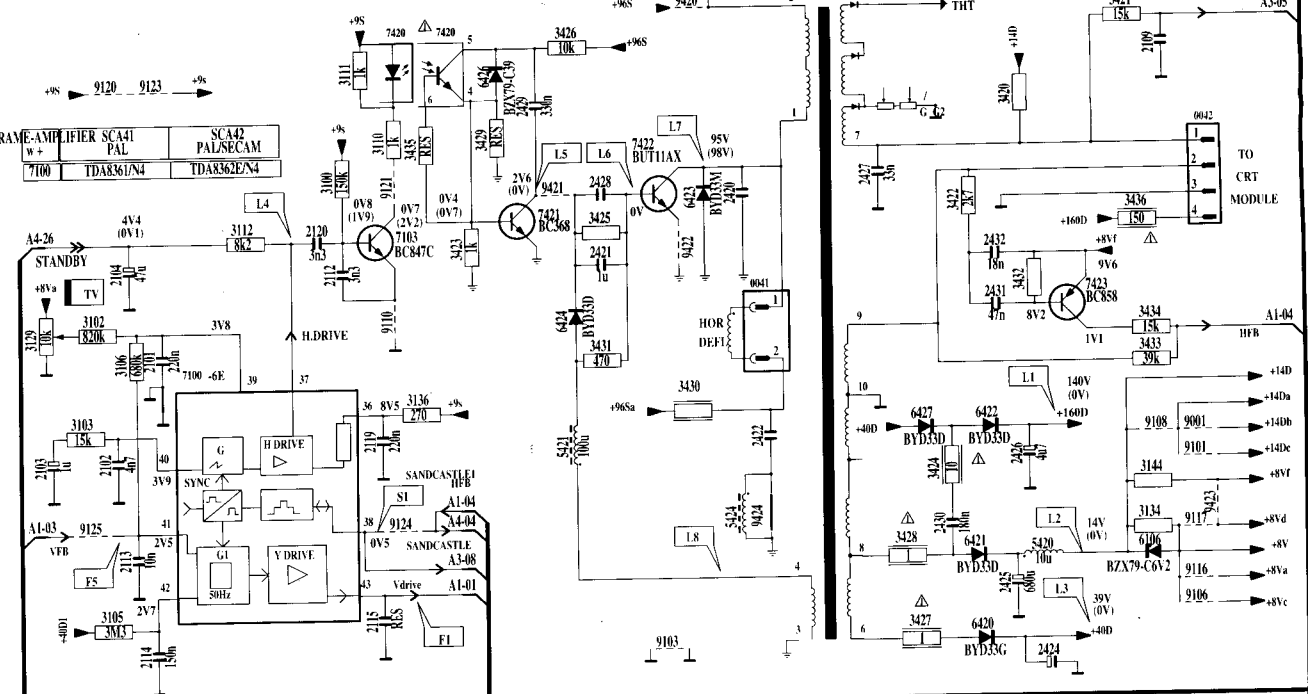
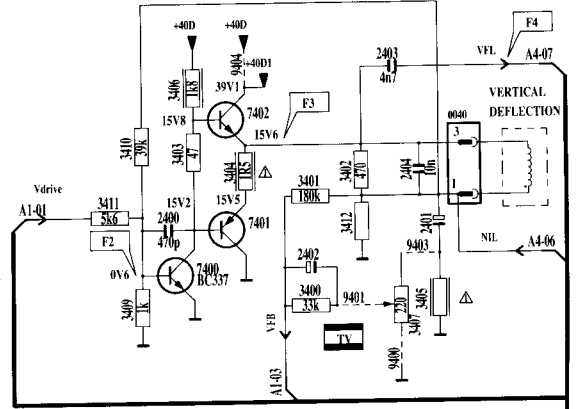
12 13 14 15 16 17 18 19 20 21 22

A1

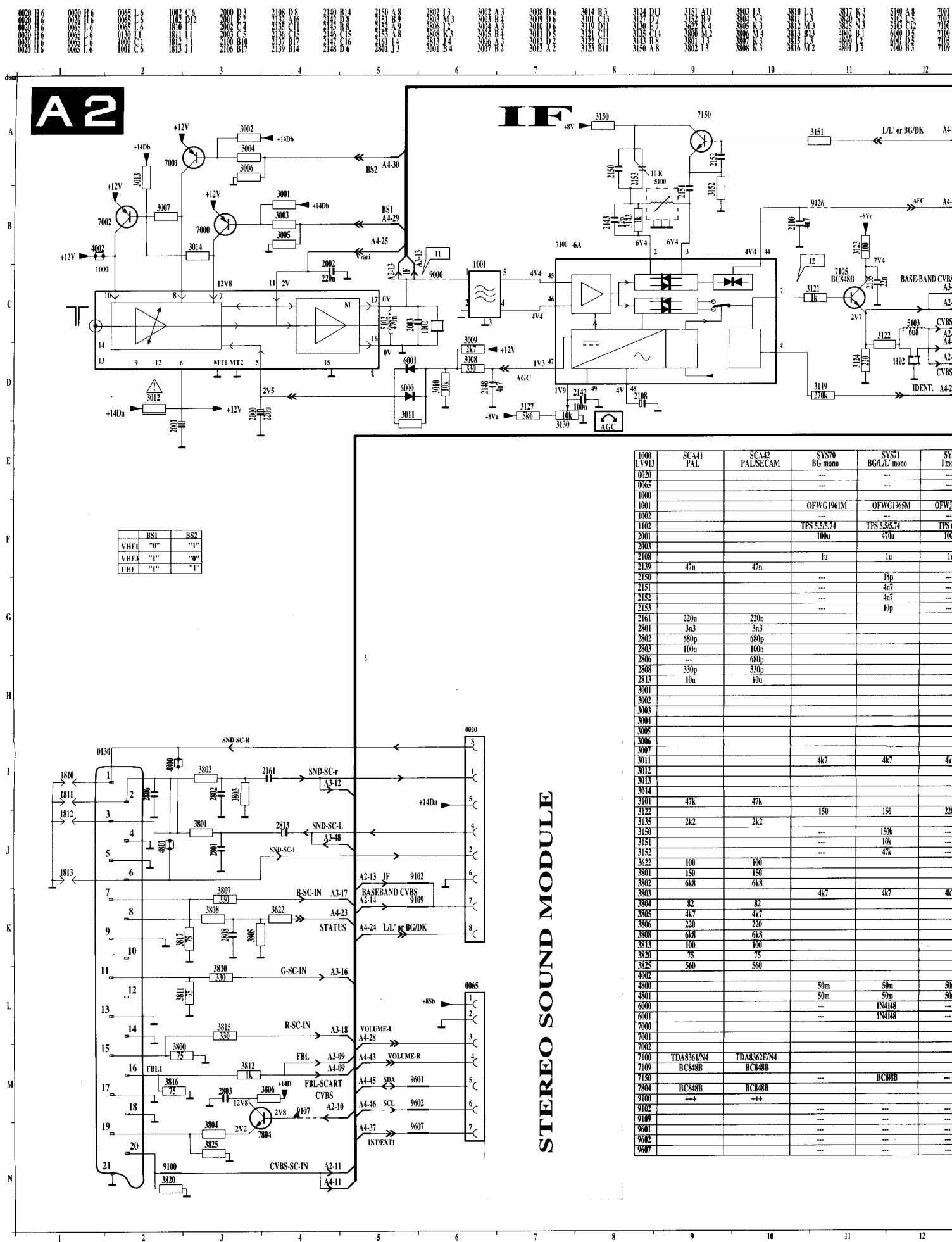
SYNC

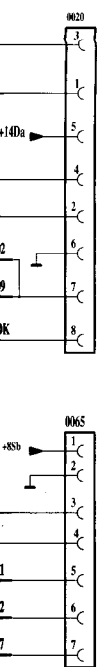
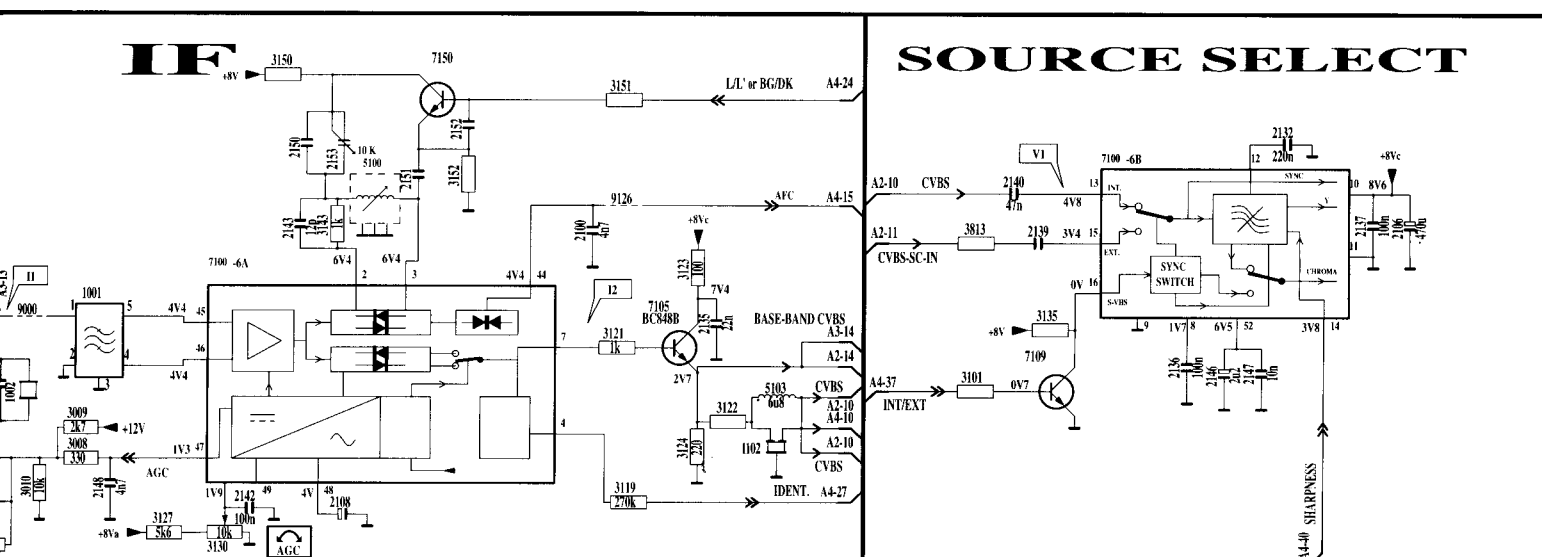
FRAME-AMPLIFIER CRT10			
w +	14		
2109	---	270n	---
2401	680u	680u	680u
2402	1u5	1u5	1u
2420	7n5	10n	10n
2422	330n	470n	560n
2424	680u	1000u	1000u
2428	RES	1u	RES
2516	47u	68u	47u
3144	47u	47u	RES
3405	4R7	3R3	3R3
3412	2k2	2k2	2k2
3420	15k	15k	15k
3425	12	12	12
3430	1k	820	820
3432	560k	560k	2M2
3505	---	150	---
3507	1k5	1k2	1k2
3514	---	---	---
3515	---	---	---
5422	G5632-01	G7529-00 THCF	G7529-00 THCF
5424	---	LIN CORR	LIN CORR
7401	BD136	BD229	BD229
7402	BD137	BD228	BD228
9424	+++	---	---
9500	+++	---	+++

FRAME-AMPLIFIER



SUPPLY





STEREO SOUND MODULE

1000	SCA41	SCA42	SYS70	SYS71	SYS72	SYS73	SYS74	SYS75	SYS76	SYS77	SYS78	TUN60
UNV1.3	PAL	PAL/SECAM	BG mono	BG/L/L mono	I mono	BG/DK mono	BG/DK(2Sc)	NIC BG	NIC L	NIC L	NIC L	U
0020												
0065												
1000												U943
1001			OFWG1961M	OFWG1965M	OFWJ1952M	OFWK2955M	OFWG1984M	OFWK2962M	OFWG1984M	OFWJ1980M	OFWK3953M	
1002						RES						
1102			TPS 5.5/5.74	TPS 5.5/5.74	TPS 6.0	TPS 5.5/5.74/6.5	TPS 5.5/5.74	TPS 5.5/5.74/6.5	TPS 5.5/5.74	TPS 6.0	TPS 5.5/5.74	
2001			100u	470u	100u	100u	100u	100u	100u	100u	470u	
2003												
2108			1u	1u	1u	1u	1u	1u	1u	1u	1u	
2139	47n	47n										
2150				18p							18p	
2151				4n7							4n7	
2152				4n7							4n7	
2153				10p							10p	
2161	220n	220n										
2801	3n3	3n3										
2802	680p	680p										
2803	100n	100n										
2806		680p										
2808	330p	330p										
2813	10u	10u										
3001												
3002												
3003												
3004												
3005												
3006												
3007												
3011			4k7	4k7	4k7	4k7	4k7	4k7	4k7	4k7	4k7	
3012												15
3013												
3014												
3101	47k	47k										
3122			150	150	220	150	150	150	150	150	150	
3135	2k2	2k2										
3150				150k							150k	
3151				10k							10k	
3152				47k							47k	
3622	100	100										
3801	150	150										
3802	6k8	6k8										
3803			4k7	4k7	4k7	4k7						
3804	82	82										
3805	4k7	4k7										
3806	220	220										
3808	6k8	6k8										
3813	100	100										
3820	75	75										
3825	560	560										
4002												
4800			50m	50m	50m	50m						50m
4801			50m	50m	50m	50m						
6000				1N4148							1N4148	
6001				1N4148							1N4148	
7000												
7001												
7002												
7100	TDAR361/N4	TDAR362E/N4										
7109	BC848B	BC848B										
7150				BC848B							BC848B	
7804	BC848B	BC848B										
9100	+++	+++										
9102												
9109												
9601												
9602												
9607												

