

Entry #	Qty.	System Serial	System Model	Customer Comments	Unit Model	Unit Serial	KQ #
361	1	70728483	MX920AHT01	Left speaker doesn't work	MX920PRO01	70758678	009732024719
362	1	70724599	MX920AHT01	Receiver has bad channel	MX920PRO01	70756606	009729022617
363	1	69162553	MX920AHT01	NA	MX920PRO01	68186461	009726011915
364	1	70728024	MX920AHT01	Sound is distorted	MX920PRO01	70758293	009732024375
365	1	70728679	MX920AHT01	NA	MX920PRO01	70759021	009732024095
366	1	70722984	MX920AHT01	Unit shuts off when volume is up	MX920PRO01	70756966	009731022967
367	1	67060673	MX920AHT01	Receiver doesn't work	MX920PRO01	67067473	009720005920
368	1	70725100	MX920AHT01	NA	MX920PRO01	70757071	009731023169
369	1	64816258	MX920AHT01	NA	MX920PRO01	65203589	009718001336
370	1	69164470	MX920AHT01	NA	MX920PRO01	68190025	009726014587
371	1	64816538	MX920AHT01	No power	MX920PRO01	65203774	009718001408
372	1	70725542	MX920AHT01	NA	MX920PRO01	70757089	009731023339
373	1	69163439	MX920AHT01	NA	MX920PRO01	68191391	009728016170
374	1	67163471	MX920AHT01	NA	MX920PRO01	68191390	009728015955
375	1	NA	MX920AHT01	NA	MX920PRO01	70757875	009732023953
376	1	NA	MX920AHT01	NA	MX920PRO01	68184486	009721009328
377	1	69168889	MX920AHT01	One side of speakers work	MX920PRO01	70752331	009728018533
378	1	70721077	MX920AHT01	NA	MX920PRO01	70751290	009728017692
379	1	70720216	MX920AHT01	NA	MX920PRO01	68191787	009728016457
380	1	70719872	MX920AHT01	Speaker will not work	MX920PRO01	68190652	009728015741
381	1	69163405	MX920AHT01	NA	MX920PRO01	68188154	009726013245
382	1	69161780	MX920AHT01	NA	MX920PRO01	68188274	009726012857
383	1	NA	MX920AHT01	NA	MX920PRO01	68188488	009726013025
384	1	67060669	MX920AHT01	NA	MX920PRO01	67067409	009720005899
385	1	70723387	MX920AHT01	NA	MX920PRO01	70753557	009729019958
386	1	70723667	MX920AHT01	NA	MX920PRO01	70753991	009729020481
387	1	67059463	MX920AHT01	NA	MX920PRO01	67065918	009719004477
388	1	67062235	MX920AHT01	Defective remote	MX920PRO01	67067767	009720006848
389	1	64815473	MX920AHT01	Does not work	MX920PRO01	65203160	009717000913
390	1	69160067	MX920AHT01	Didn't work properly	MX920PRO01	68185713	009725010605
391	1	70723869	MX920AHT01	Receiver is bad	MX920PRO01	70754235	009729020239
392	1	69167197	MX920AHT01	Doesn't work	MX920PRO01	70753487	009729019772
393	1	70719959	MX920AHT01	Subwoofer doesn't work	MX920PRO01	68191126	009727014673
394	1	70725980	MX920AHT01	Static	MX920PRO01	70757355	009731023461
395	1	70725926	MX920AHT01	NA	MX920PRO01	70756861	009731022982
396	1	70725363	MX920AHT01	NA	MX920PRO01	70757269	009731023372

Entry #	Manuf. Date	Speaker DC Output Voltage	Speaker degradation	Audio Distortion	24 VDC +/-	C5022	C506	C514
361	July-97	pass	pass	pass	pass	pass	pass	pass
362	July-97	pass	pass	pass	pass	pass	pass	pass
363	June-97	pass	pass	pass	pass	pass	pass	pass
364	July-97	pass	pass	pass	pass	pass	pass	pass
365	July-97	pass	pass	pass	pass	pass	pass	pass
366	July-97	pass	pass	NA	pass	pass	pass	pass
367	May-97	pass	pass	pass	pass	pass	pass	pass
368	July-97	pass	pass	pass	pass	pass	pass	pass
369	April-97	pass	pass	pass	pass	pass	pass	pass
370	June-97	pass	pass	pass	pass	pass	pass	pass
371	April-97	pass	pass	pass	pass	pass	pass	pass
372	July-97	pass	pass	pass	pass	pass	pass	pass
373	July-97	pass	pass	pass	pass	pass	pass	pass
374	July-97	pass	pass	pass	pass	pass	pass	pass
375	July-97	pass	pass	pass	pass	pass	pass	pass
376	May-97	pass	pass	pass	pass	pass	pass	pass
377	July-97	pass	pass	pass	pass	pass	pass	pass
378	July-97	pass	pass	pass	pass	pass	pass	pass
379	July-97	pass	pass	pass	pass	pass	pass	pass
380	July-97	pass	pass	pass	pass	pass	pass	pass
381	June-97	pass	pass	pass	pass	pass	pass	pass
382	June-97	pass	pass	pass	pass	pass	pass	pass
383	June-97	pass	pass	pass	pass	pass	pass	pass
384	May-97	pass	pass	pass	pass	pass	pass	pass
385	July-97	pass	pass	pass	pass	pass	pass	pass
386	July-97	pass	pass	pass	pass	pass	pass	pass
387	May-97	pass	pass	pass	pass	pass	pass	pass
388	May-97	pass	pass	pass	pass	pass	pass	pass
389	April-97	pass	pass	pass	pass	pass	pass	pass
390	June-97	pass	pass	pass	pass	pass	pass	pass
391	July-97	pass	pass	pass	pass	pass	pass	pass
392	June-97	pass	pass	pass	pass	pass	pass	pass
393	July-97	pass	pass	pass	pass	pass	pass	pass
394	July-97	pass	pass	pass	pass	pass	pass	pass
395	July-97	pass	pass	pass	pass	pass	pass	pass
396	July-97	pass	pass	pass	pass	pass	pass	pass

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Entry #	Component Failure	Other Defects	Assessment
361	pass	NA	pass
362	pass	NA	pass
363	pass	NA	pass
364	pass	NA	pass
365	pass	NA	pass
366	pass	NA	pass
367	pass	NA	pass
368	pass	NA	pass
369	pass	NA	pass
370	pass	Front is scratched	pass
371	pass	NA	pass
372	pass	Light is dim	pass
373	pass	NA	pass
374	pass	NA	pass
375	pass	Light is dim	pass
376	pass	Various damage visible	pass
377	pass	Packaging damages	pass
378	pass	NA	pass
379	pass	Speaker korners chipped	pass
380	pass	NA	pass
381	pass	NA	pass
382	pass	NA	pass
383	pass	Woofer damaged	pass
384	pass	NA	pass
385	pass	NA	pass
386	pass	NA	pass
387	pass	Right front speaker outlet	pass
388	pass	NA	pass
389	pass	NA	pass
390	pass	NA	pass
391	pass	NA	pass
392	pass	Subwoofer has no input	pass
393	pass	NA	pass
394	pass	NA	pass
395	pass	Subwoofer has no input	pass
396	pass	NA	pass

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Entry #	Qty.	System Serial	System Model	Customer Comments	Unit Model	Unit Serial	KQ #
397	1	NA	MX920AHT01	NA	MX920PRO01	70757586	009731023663
398	1	70726076	MX920AHT01	NA	MX920PRO01	70758227	009732024299
399	1	70722845	MX920AHT01	NA	MX920PRO01	70755349	009728018848
400	1	70728444	MX920AHT01	NA	MX920PRO01	70758690	009732024728
401	1	70726011	MX920AHT01	NA	MX920PRO01	70757943	009732024087
402	1	67060762	MX920AHT01	Speaker hookup doesn't work	MX920PRO01	67068533	009720006837
403	1	69162437	MX920AHT01	NA	MX920PRO01	68187081	009726011651
404	1	NA	MX920AHT01	NA	MX920PRO01	68187295	009726012078
405	1	67059512	MX920AHT01	NA	MX920PRO01	67066764	009720005006
406	1	67063350	MX920AHT01	NA	MX920PRO01	67069511	009721008006
407	1	67063696	MX920AHT01	Surround speaker doesn't work	MX920PRO01	65203227	009718001026
408	1	70726214	MX920AHT01	Speaker doesn't work	MX920PRO01	70758415	009732024489
409	1	69162226	MX920AHT01	NA	MX920PRO01	68187960	009726012404
410	1	69164538	MX920AHT01	Surround speaker doesn't work	MX920PRO01	68189220	009728013665
411	1	69167473	MX920AHT01	NA	MX920PRO01	68188922	009726011811
412	1	69165958	MX920AHT01	NA	MX920PRO01	70752231	009728018924
413	1	NA	MX920AHT01	NA	MX920PRO01	70758782	009732024827
414	1	NA	MX920AHT01	Excessive internal damage	MX920PRO01	70757844	009732023922
415	1	70729809	MX920AHT01	NA	MX920PRO01	70759700	009751025945
416	1	NA	MX920AHT01	NA	MX920PRO01	70758476	009732024529
417	1	NA	MX920AHT01	NA	MX920PRO01	70758867	009732024928
418	1	NA	MX920AHT01	NA	MX920PRO01	68184290	008721009231
419	1	70729935	MX920AHT01	NA	MX920PRO01	70760439	009751026546
420	1	NA	MX920AHT01	NA	MX920PRO01	68184769	009721009580
421	1	NA	MX920AHT01	NA	MX920PRO01	70758463	009732024525
422	1	67064121	MX920AHT01	NA	MX920PRO01	67070078	009721008641
423	1	70726861	MX920AHT01	"605" damage	MX920PRO01	70759088	009738008592
424	1	69158473	MX920AHT01	NA	MX920PRO01	68186178	009725011349
425	1	69162282	MX920AHT01	NA	MX920PRO01	68186479	009726012001
426	1	67063693	MX920AHT01	Sound distorted	MX920PRO01	67070210	009721008500
427	1	69163305	MX920AHT01	Making static noise	MX920PRO01	68188700	009726013435
428	1	67062880	MX920AHT01	NA	MX920PRO01	68184149	008721008962
429	1	67063405	MX920AHT01	NA	MX920PRO01	67068759	689721008168
430	1	69162756	MX920AHT01	NA	MX920PRO01	68187541	009726012275
431	1	70725964	MX920AHT01	NA	MX920PRO01	70757721	008732023844
432	1	67062038	MX920AHT01	NA	MX920PRO01	67069090	008720007341

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Entry #	Manuf. Date	Speaker DC Output Voltage	Speaker degradation	Audio Distortion	24 VDC +/-	C5022	C506	C514
397	July-97	pass	pass	pass	pass	pass	pass	pass
398	July-97	pass	pass	pass	pass	pass	pass	pass
399	July-97	pass	pass	pass	pass	pass	pass	pass
400	July-97	pass	pass	pass	pass	pass	pass	pass
401	July-97	pass	pass	pass	pass	pass	pass	pass
402	May-97	pass	pass	pass	pass	pass	pass	pass
403	June-97	pass	pass	pass	pass	pass	pass	pass
404	June-97	pass	pass	pass	pass	pass	pass	pass
405	May-97	pass	pass	pass	pass	pass	pass	pass
406	May-97	pass	pass	pass	pass	pass	pass	pass
407	April-97	pass	pass	pass	pass	pass	pass	pass
408	July-97	pass	pass	pass	pass	pass	pass	pass
409	June-97	pass	pass	pass	pass	pass	pass	pass
410	June-97	fail	pass	NA	NA	pass	pass	pass
411	June-97	fail	pass	NA	pass	fail	pass	pass
412	July-97	fail	pass	pass	pass	pass	pass	pass
413	July-97	pass	pass	NA	pass	pass	pass	pass
414	July-97	fail	pass	fail	pass	pass	pass	pass
415	December-97	pass	pass	NA	fail	pass	pass	pass
416	July-97	fail	pass	NA	pass	pass	pass	pass
417	July-97	fail	pass	NA	pass	pass	pass	pass
418	May-97	fail	pass	NA	pass	pass	pass	pass
419	December-97	pass	pass	fail	pass	pass	pass	pass
420	May-97	fail	pass	NA	pass	fail	fail	fail
421	July-97	pass	pass	pass	pass	pass	pass	pass
422	May-97	pass	pass	fail	pass	pass	pass	pass
423	Sep-97	pass	pass	fail	pass	pass	pass	pass
424	June-97	pass	pass	fail	pass	pass	pass	pass
425	June-97	pass	pass	pass	pass	pass	pass	pass
426	May-97	pass	pass	pass	pass	pass	pass	pass
427	June-97	pass	pass	pass	pass	pass	pass	pass
428	May-97	pass	pass	pass	pass	pass	pass	pass
429	May-97	pass	pass	pass	pass	pass	pass	pass
430	June-97	pass	pass	pass	pass	pass	pass	pass
431	July-97	pass	pass	pass	pass	pass	pass	pass
432	May-97	pass	pass	pass	pass	pass	pass	pass

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Entry #	Component Failure	Other Defects	Assessment
397	pass	NA	pass
398	pass	Speaker busted	pass
399	pass	Subwoofer has no output	pass
400	pass	NA	pass
401	pass	Light out	pass
402	pass	NA	pass
403	pass	One main speaker bad	pass
404	pass	Extra surround speaker	pass
405	pass	NA	pass
406	pass	NA	pass
407	pass	NA	pass
408	pass	NA	pass
409	pass	Damages to unit; speaker	fail
410	fail	Light is blown	fail
411	fail	Subwoofer is missing	fail
412	fail	NA	fail
413	fail	Speakers missing	fail
414	pass	No output in speakers	fail
415	pass	No power	fail
416	fail	Couldn't get reading	fail
417	pass	Speakers damaged	fail
418	fail	No output in speakers	fail
419	pass	Speaker damage	fail
420	pass	NA	fail
421	fail	Distorted subwoofer	fail
422	pass	Speaker damage	fail
423	pass	NA	fail
424	pass	NA	pass
425	pass	NA	pass
426	pass	NA	pass
427	pass	NA	pass
428	pass	Damage face & speakers	pass
429	pass	NA	pass
430	pass	NA	pass
431	pass	NA	pass
432	pass	NA	pass

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Entry #	Qty.	System Serial	System Model	Customer Comments	Unit Model	Unit Serial	KQ #
433	1	69161659	MX920AHT01	NA	MX920PRO01	68189573	009726014388
434	1	69162506	MX920AHT01	Right channel doesn't work	MX920PRO01	68168564	009726012023
435	1	69161549	MX920AHT01	NA	MX920PRO01	68189985	009726013592
436	1	NA	MX920AHT01	NA	MX920PRO01	67068240	009720006618
437	1	67068805	MX920AHT01	Outlet connection bad	MX920PRO01	67068805	009720005339
438	1	64815341	MX920AHT01	NA	MX920PRO01	65203161	009717000917
439	1	64817614	MX920AHT01	NA	MX920PRO01	65205065	009719002735
440	1	69165582	MX920AHT01	No power	MX920PRO01	68191550	009728016016
441	1	67061884	MX920AHT01	Remote doesn't work	MX920PRO01	67067754	009720006354
442	1	70721149	MX920AHT01	NA	MX920PRO01	70750856	009728016958
443	1	70722375	MX920AHT01	NA	MX920PRO01	70755196	009729021398
444	1	69163529	MX920AHT01	Speaker wires missing	MX920PRO01	681917981	009728016450
445	1	NA	MX920AHT01	NA	MX920PRO01	67067237	009720005655
446	1	70723475	MX920AHT01	NA	MX920PRO01	70754785	009729020879
447	1	NA	MX920AHT01	NA	MX920PRO01	67069649	009721007867
448	1	NA	MX920AHT01	NA	MX920PRO01	67068861	009720005281
449	1	70727764	MX920AHT01	NA	MX920PRO01	70760448	009751026539
450	1	NA	MX920AHT01	CD doesn't work	MX920PRO01	70752236	009728018931
451	1	70726358	MX920AHT01	Defective speakers	MX920PRO01	70758915	009732024978
452	1	NA	MX920AHT01	NA	MX920PRO01	67069541	NA
453	1	69162266	MX920AHT01	Broken	MX920PRO01	68187918	009726012421
454	1	69162699	MX920AHT01	Doesn't work	MX920PRO01	68191442	009728016137
455	1	70724668	MX920AHT01	NA	MX920PRO01	70758433	009732024499
456	1	NA	MX920AHT01	NA	MX920PRO01	67069584	009721007929
457	1	NA	MX920AHT01	NA	MX920PRO01	68186514	009726011966
458	1	NA	MX920AHT01	NA	MX920PRO01	70755653	009729021758
459	1	70728233	MX920AHT01	Speakers damaged	MX920PRO01	70759288	009751025380
460	1	70726987	MX920AHT01	NA	MX920PRO01	70759109	009738008607
461	1	NA	MX920AHT01	NA	MX920PRO01	70759061	009732025195
462	1	NA	MX920AHT01	NA	MX920PRO01	70757965	009732024034
463	1	NA	MX920AHT01	NA	MX920PRO01	67069357	009721007677
464	1	NA	MX920AHT01	NA	MX920PRO01	70751388	009728017598
465	1	NA	MX920AHT01	No manual or remote	MX920PRO01	68188920	NA
466	1	68198418	MX920AHT01	Subwoofer doesn't work	MX920PRO01	70755067	009729021178
467	1	NA	MX920AHT01	NA	MX920PRO01	65203561	009718001230
468	1	NA	MX920AHT01	NA	MX920PRO01	68184481	009721008879



Entry #	Manuf. Date	Speaker DC Output Voltage	Speaker degradation	Audio Distortion	24 VDC +/-	C5022	C506	C514
433	June-97	pass	pass	pass	pass	pass	pass	pass
434	June-97	pass	pass	pass	pass	pass	pass	pass
435	June-97	pass	pass	pass	pass	pass	pass	pass
436	May-97	pass	pass	pass	pass	pass	pass	pass
437	May-97	pass	pass	pass	pass	pass	pass	pass
438	April-97	pass	pass	pass	pass	pass	pass	pass
439	May-97	pass	pass	pass	pass	pass	pass	pass
440	July-97	pass	pass	pass	pass	pass	pass	pass
441	May-97	pass	pass	pass	pass	pass	pass	pass
442	July-97	pass	pass	pass	pass	pass	pass	pass
443	July-97	pass	pass	pass	pass	pass	pass	pass
444	July-97	pass	pass	pass	pass	pass	pass	pass
445	May-97	pass	pass	pass	pass	pass	pass	pass
446	July-97	pass	pass	pass	pass	pass	pass	pass
447	May-97	pass	pass	pass	pass	pass	pass	pass
448	May-97	pass	pass	pass	pass	pass	pass	pass
449	December-97	pass	pass	pass	pass	pass	pass	pass
450	July-97	pass	pass	pass	pass	pass	pass	pass
451	July-97	pass	pass	pass	pass	pass	pass	pass
452	NA	pass	pass	pass	pass	pass	pass	pass
453	June-97	pass	pass	pass	pass	pass	pass	pass
454	July-97	pass	pass	pass	pass	pass	pass	pass
455	July-97	pass	pass	pass	pass	pass	pass	pass
456	May-97	pass	pass	pass	pass	pass	pass	pass
457	June-97	pass	pass	pass	pass	pass	pass	pass
458	July-97	pass	pass	pass	pass	pass	pass	pass
459	December-97	pass	pass	pass	pass	pass	pass	pass
460	Sep-97	pass	pass	pass	pass	pass	pass	pass
461	July-97	pass	pass	pass	pass	pass	pass	pass
462	July-97	pass	pass	pass	pass	pass	pass	pass
463	May-97	pass	pass	pass	pass	pass	pass	pass
464	July-97	pass	pass	pass	pass	pass	pass	pass
465	June-97	pass	pass	pass	pass	pass	pass	pass
466	July-97	pass	pass	pass	pass	pass	pass	pass
467	April-97	pass	pass	pass	pass	pass	pass	pass
468	May-97	pass	pass	pass	pass	pass	pass	pass

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Entry #	Component Failure	Other Defects	Assessment
433	pass	Speaker damage	pass
434	pass	NA	pass
435	pass	NA	pass
436	pass	Speaker missing	pass
437	pass	Speaker missing	pass
438	pass	Speaker damage	pass
439	pass	Dented speakers	pass
440	pass	NA	pass
441	pass	NA	pass
442	pass	NA	pass
443	pass	NA	pass
444	pass	NA	pass
445	pass	Various damage visible	pass
446	pass	NA	pass
447	pass	NA	pass
448	pass	Speakers damaged	pass
449	pass	NA	pass
450	pass	Light is blown	pass
451	pass	NA	pass
452	pass	Light is blown	pass
453	pass	NA	pass
454	pass	NA	pass
455	pass	NA	pass
456	pass	Subwoofer missing	pass
457	pass	Subwoofer has no output	pass
458	pass	Light is blown	pass
459	pass	NA	pass
460	pass	NA	pass
461	pass	Speakers missing	pass
462	pass	NA	pass
463	pass	Subwoofer has no output	pass
464	pass	Light out	pass
465	pass	Subwoofer has no output	pass
466	pass	Receiver and speaker bad	pass
467	pass	NA	pass
468	pass	NA	pass

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Entry #	Qty.	System Serial	System Model	Customer Comments	Unit Model	Unit Serial	KQ.#
469	1	NA	MX920AHT01	NA	MX920PRO01	88188232	009726012878
470	1	NA	MX920AHT01	NA	MX920PRO01	70754782	009729020888
471	1	70729310	MX920AHT01	NA	MX920PRO01	67067966	009720006444
472	1	69161437	MX920AHT01	NA	MX920PRO01	68189748	009726014201
473	1	69161936	MX920AHT01	NA	MX920PRO01	68188313	009726012814
474	1	70719999	MX920AHT01	NA	MX920PRO01	70750466	009728016745
475	1	67062890	MX920AHT01	Rear channel speakers don't work	MX920PRO01	67069309	009721007719
476	1	70729074	MX920AHT01	NA	MX920PRO01	76526644	009751028001
477	1	70722206	MX920AHT01	NA	MX920PRO01	70753809	009729020126
478	1	7072856	MX920AHT01	NA	MX920PRO01	70759871	009751026194
479	1	NA	MX920AHT01	Cuts in & out	MX920PRO01	70757824	009732023801
480	1	NA	MX920AHT01	NA	MX920PRO01	68187620	009726012208
481	1	67062783	MX920AHT01	NA	MX920PRO01	67069702	009721008124
482	1	70728534	MX920AHT01	NA	MX920PRO01	76526667	009751027763
483	1	69159697	MX920AHT01	Amp cuts off and on	MX920PRO01	68185324	009725010162
484	1	6706148	MX920AHT01	Returned receiver damaged	MX920PRO01	NA	009719004325

Entry #	Manuf. Date	Speaker DC Output Voltage	Speaker degradation	Audio Distortion	24 VDC +/-	C5022	C506	C514
469	June-97	pass	pass	pass	pass	pass	pass	pass
470	July-97	pass	pass	pass	pass	pass	pass	pass
471	May-97	pass	pass	pass	pass	pass	pass	pass
472	June-97	pass	pass	pass	pass	pass	pass	pass
473	June-97	pass	pass	pass	pass	pass	pass	pass
474	July-97	pass	pass	pass	pass	pass	pass	pass
475	May-97	pass	pass	pass	pass	pass	pass	pass
476	December-97	pass	pass	pass	pass	pass	pass	pass
477	July-97	pass	pass	pass	pass	pass	pass	pass
478	December-97	pass	pass	pass	pass	pass	pass	pass
479	July-97	pass	pass	pass	pass	pass	pass	pass
480	June-97	pass	pass	pass	pass	pass	pass	pass
481	May-97	pass	pass	pass	pass	pass	pass	pass
482	December-97	pass	pass	pass	pass	pass	pass	pass
483	June-97	pass	pass	pass	pass	pass	pass	pass
484	May-97	pass	pass	pass	pass	pass	pass	pass
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Entry #	Component Failure	Other Defects	Assessment
469	pass		pass
470	pass	Speakers missing	pass
471	pass	Speaker damage	pass
472	pass	NA	pass
473	pass	NA	pass
474	pass	NA	pass
475	pass	NA	pass
476	pass	NA	pass
477	pass	NA	pass
478	pass	No remote	pass
479	pass	NA	pass
480	pass	Subwoofer missing	pass
481	pass	NA	pass
482	pass	Subwoofer has no output	pass
483	pass	Subwoofer missing	pass
484	pass	NA	pass
485			
486			
487			
488			
489			
490			
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## IMPORTANT SAFETY NOTICE

Proper service and repair is important to the safe, reliable operation of all Philips Consumer Electronics Company\*\* Equipment. The service procedures recommended by Philips and described in this service manual are effective methods of performing service operations. Some of these service operations require the use of tools specially designed for the purpose. The special tools should be used when and as recommended.

It is important to note that this manual contains various CAUTIONS and NOTICES which should be carefully read in order to minimize the risk of personal injury to service personnel. The possibility exists that improper service methods may damage the equipment. It also is important to understand that these CAUTIONS and NOTICES ARE NOT EXHAUSTIVE. Philips could not possibly know, evaluate and advise the service trade of all conceivable ways in which service might be done or of the possible hazardous consequences of each way. Consequently, Philips has not undertaken any such broad evaluation. Accordingly, a servicer who uses a service procedure or tool which is not recommended by Philips must first satisfy himself thoroughly that neither his safety nor the safe operation of the equipment will be jeopardized by the service method selected.

\*\* Hereafter throughout this manual, Philips Consumer Electronics Company will be referred to as Philips.

### WARNING

Critical components having special safety characteristics are identified with a  $\Delta$  by the Ref. No. in the parts list and enclosed within a broken line\* (where several critical components are grouped in one area) along with the safety symbol  $\Delta$  on the schematics or exploded views.

Use of substitute replacement parts which do not have the same specified safety characteristics may create shock, fire, or other hazards.

Under no circumstances should the original design be modified or altered without written permission from Philips. Philips assumes no liability, express or implied, arising out of any unauthorized modification of design. Servicer assumes all liability.

\* Broken Line 

#### FOR PRODUCTS CONTAINING LASER:

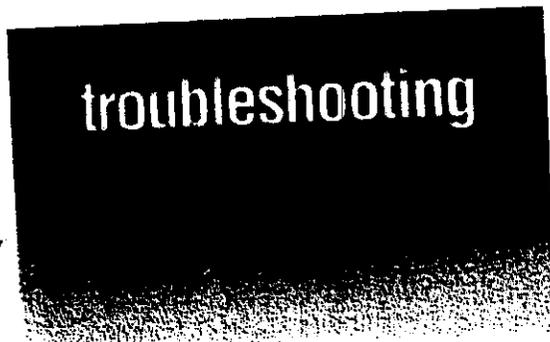
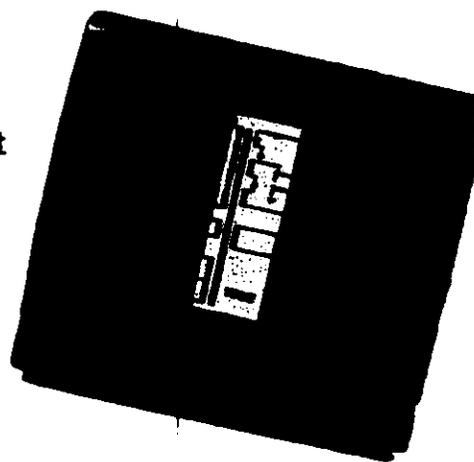
DANGER - Invisible laser radiation when open. AVOID DIRECT EXPOSURE TO BEAM.  
CAUTION - Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.  
CAUTION - The use of optical instruments with this product will increase eye hazard.

TO ENSURE THE CONTINUED RELIABILITY OF THIS PRODUCT, USE ONLY ORIGINAL MANUFACTURER'S REPLACEMENT PARTS, WHICH ARE LISTED WITH THEIR PART NUMBERS IN THE PARTS LIST SECTION OF THIS SERVICE MANUAL.

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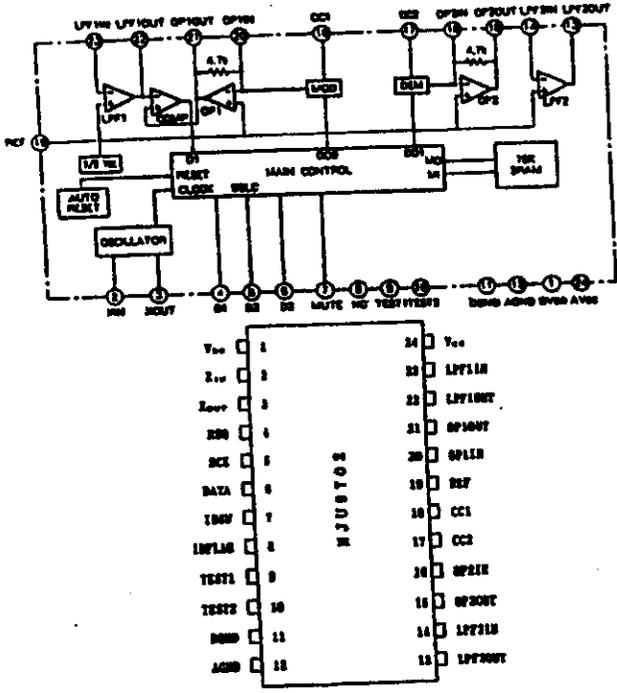
85

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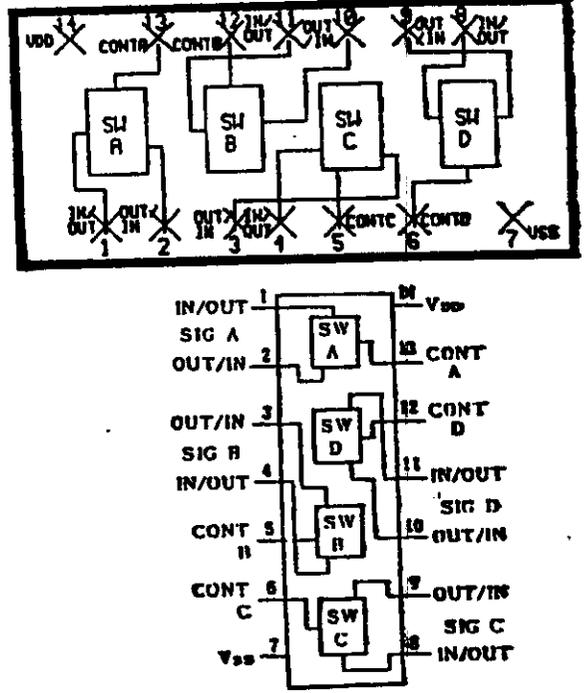


### IC PIN CONFIGURATIONS AND BLOCK DIAGRAMS

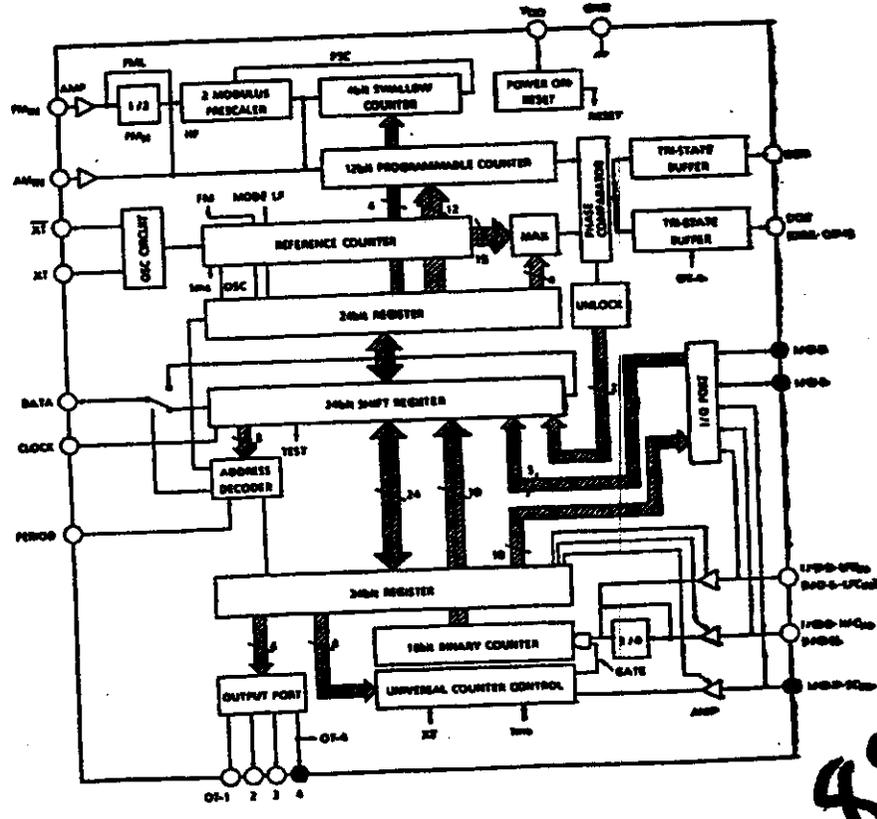
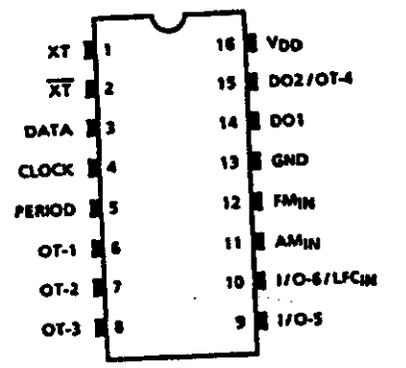
IC606 NJU9702D



IC612 MC14066BCP



IC151 TC9216P



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0/0

## IC151 PIN FUNCTIONAL DESCRIPTIONS

Pin No.	Symbol	Pin Name	Function and Operation
1	XT	Crystal Oscillator Terminal	Crystal resonator of 7.2MHz or 4.5MHz may be connected to this terminal to generate reference frequency and internal clock.
2	$\overline{\text{XT}}$		
3	DATA	Serial Data Input/Output	Serial I/O port. Serial data transfer is performed between controller and these terminals to control universal counter and I/O port, and sets frequency dividing numbers and frequency dividing mode.
4	CLOCK	Clock Signal Input	
5	PERIOD	Period Signal Input	
6	OT-1	General Purpose Output Port	These terminals are CMOS and are used as output of control signal, etc. They are set to "L" level at power on. (OT-4 of TC9216P can be used by switching DO2.)
7	OT-2		
8	OT-3		
9 (-)	OT-4		
10 (9)	I/O-5	General Purpose I/O Port	These terminals are CMOS and can be used as input or output. It becomes input port at power on. (Exclusive terminal of I/O port is only I/O-5 in TC9216P.)
11 (-)	I/O-6		
12 (-)	I/O-7 SC-IN	General Purpose I/O Port/Universal Counter Periodic Measurement Input	This terminal is general purpose I/O port. It can also be used as a signal input terminal which performs periodic measurement of low frequency signal by program control. Note: It is set to input mode of I/O port at power on.
13 (-)	I/O-8 HFC-IN	General Purpose I/O Port/Universal Counter Frequency Measurement Input	These terminals are general purpose I/O ports. They can also be used as input terminals for frequency measurement of universal counter by program control. Frequency measurement is available for intermediate frequency measurement, etc. It has a built-in amp and can operate small amplitude signal with capacitor coupling. (TC9216P does not have HFC-IN input.) Note: It is set to input mode of I/O port at power on.
14 (10)	I/O-9 LFC-IN (I/O-8 LFC-IN)		
15 (11)	AM-IN	Programmable Counter Input	The local oscillator signal of each FM/AM band is input to these terminals. It has a built-in amp and can operate small amplitude signal with capacitor coupling.
16 (12)	FM-IN		
18 (14)	DO1	Phase Comparator Output (General Purpose Output Port)	These terminals are tristate outputs of phase comparator. DO1 and DO2 are parallel output. (DO2 of TC9216P can be also used as general purpose output port by program control.)
19 (15)	DO2 (DO2 OT-4)		
17 (13)	GND	Power Supply Terminal	Power supply voltage of 5.0V $\pm$ 10% is applied to this terminal.
20 (16)	VDD		

## IC604 PIN FUNCTIONAL DESCRIPTIONS

Number	Name	Description
1	L5dBIN	Left-channel 5 dB attenuation step input. Low-impedance drive. 75kohm total resistance.
2	LCT1	Left-channel loudness compensation inputs.
3	LCT2	
4	L5dBOUT	Left-channel 5 dB attenuation step output. Approximately 1 Mohm load resistance.
5	L1dBIN	Left-channel 1 dB attenuation step input. Low-impedance drive.
6	L1dBOUT	Left-channel 1 dB attenuation step output. 47 Kohm to 1 Mohm load resistance.
7	LVM	Left-channel volume control common. Normally connected to ground.
8	VEE	-16 V supply.
9	S	Address select input.
10	VDD	16 V supply.
11	VSS	Ground.
12	CLK	Clock input.
13	DI	Serial data input.
14	GE	Chip enable input.
15	VCC	5 V supply.
16	RVM	Right-channel volume control common. Normally connected to ground.
17	R1dBOUT	Right-channel 1 dB attenuation step output. 47 Kohm to 1 Mohm load resistance.
18	R1dBIN	Right-channel 1 dB attenuation step input. Low-impedance drive.
19	R5dBOUT	Right-channel 5 dB attenuation step output. Approximately 1 Mohm load resistance.
20	RCT2	Right-channel loudness compensation inputs.
21	RCT1	
22	R5dBIN	Right-channel 5 dB attenuation step input. Low-impedance drive. 75kohm total resistance.

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## ADJUSTMENT PROCEDURES

## Test Conditions

AM (Amplitude Modulation)

Function ..... AM

Input Level ..... 74dB/m (5mV/m)

Generator ..... Modulation 30% 400Hz

## Test Conditions

FM (Frequency Modulation)

Function ..... FM

Input Level ..... 60dB (1mV)

Generator ..... Deviation 22.5kHz, 1kHz

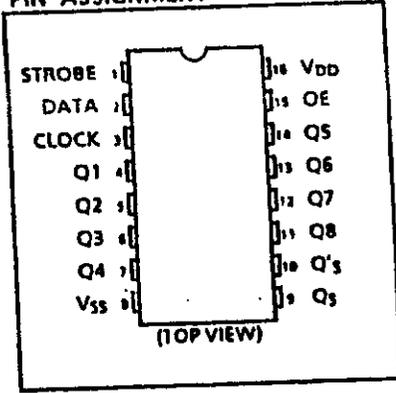
Step	Signal or Sweep Generator		Reception Frequency	Output Indicator Connection	Adjustment	Adjust For
	Connection	Frequency				
<b>AM TUNING VOLTAGE</b>						
1	No Signal		1710kHz	DC Digital Voltmeter TP1	TC102	8.0+/-0.1V
2	No Signal		520kHz	Same as Step 1	L102	1.0+/-0.1V
3	Repeat Steps 1 and 2 a few times.					
<b>AM IF</b>						
4	AM Loop Antenna at a distance of 24 inches (60 cm) from the IRT Loop	450kHz	Point of noninterference	IF Sweep Generator P101 (IC101 Pin 5)	T101	Flat and Max
<b>AM TRACKING</b>						
5	Same as Step 4	620kHz	620kHz	RF Sweep Generator P101 (IC101 Pin 5)	L101	Max
6	Same as Step 4	1400kHz	1400kHz	Same as Step 5	TC101	Max
7	Repeat Steps 5 and 6 a few times.					
<b>FM TUNING VOLTAGE</b>						
8	No Signal		108.0MHz	Same as Step 1	TC002	8.0+/-0.1V
9	No Signal		87.5MHz	Same as Step 1	L002	1.0+/-0.1V
10	Repeat Steps 8 and 9 a few times.					
<b>FM IF</b>						
11	To the FM antenna terminals through a matching transformer	10.7MHz	Point of noninterference	IF Sweep Generator P101 (IC101 Pin 5)	T001, T102	Flat and Max
<b>FM TRACKING</b>						
12	Same as Step 11	90.1MHz	90.1MHz	Same as Step 5	L001, L003	Max
13	Same as Step 11	106.1MHz	106.1MHz	Same as Step 5	TC001 TC003	Max
14	Repeat Steps 12 and 13 a few times.					

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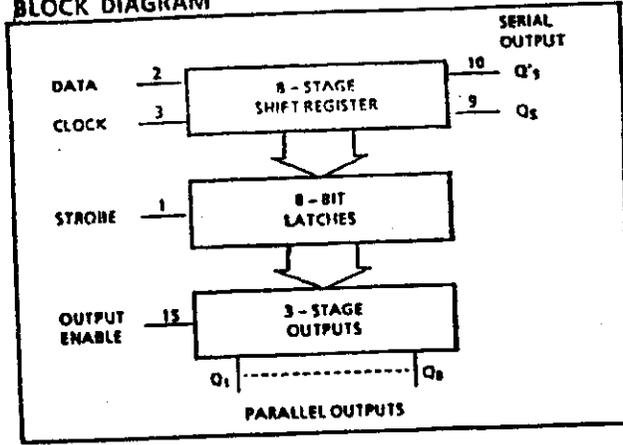
### IC PIN CONFIGURATIONS AND BLOCK DIAGRAMS (continued)

IC403, IC605 TC4094BP

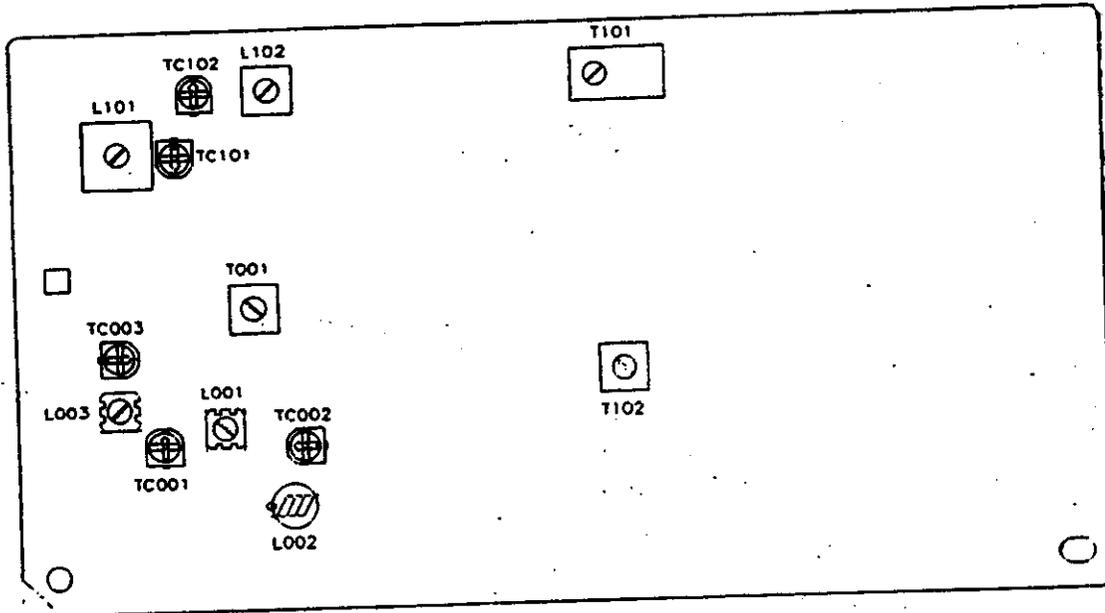
#### PIN ASSIGNMENT



#### BLOCK DIAGRAM

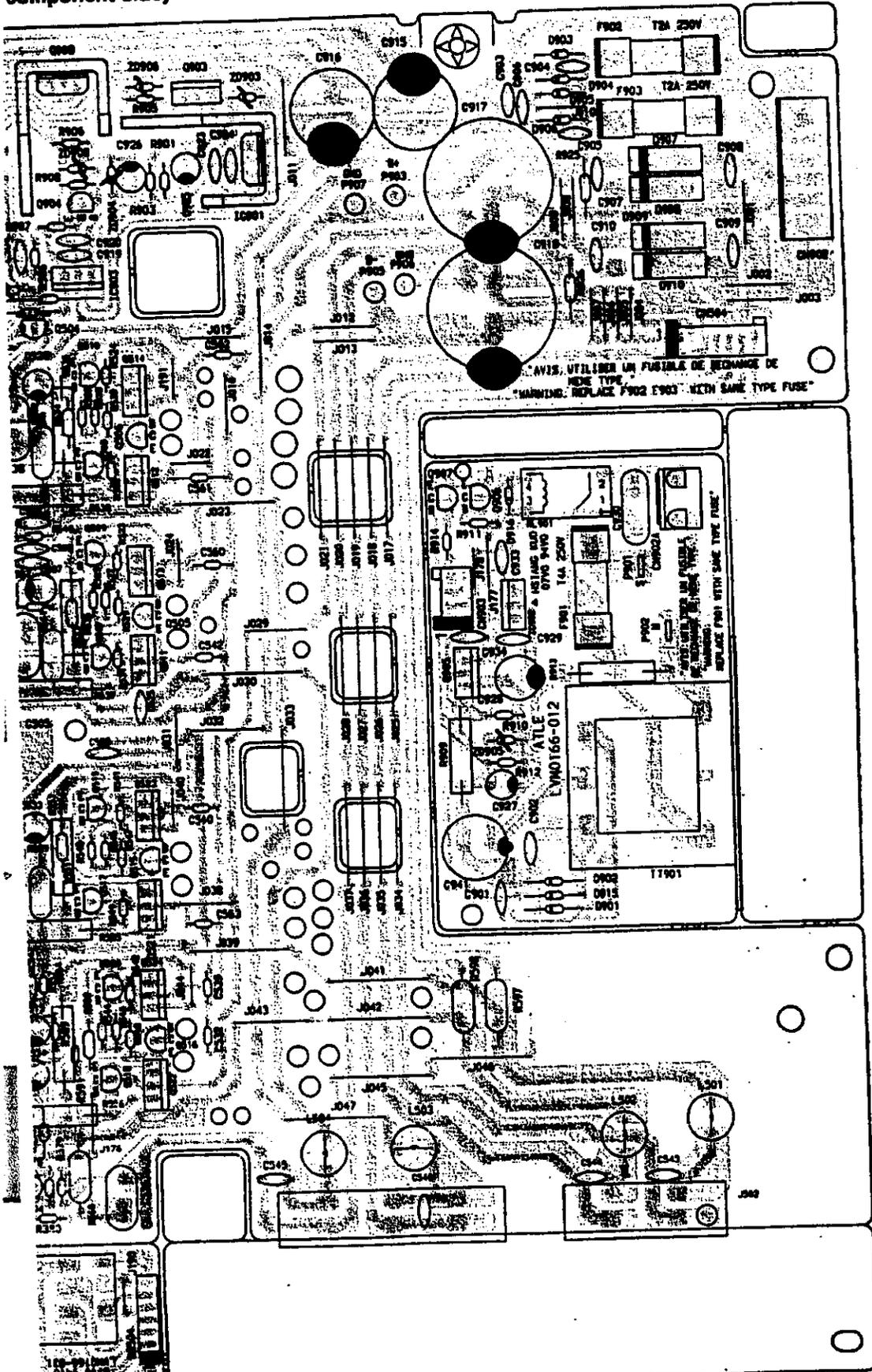


#### ADJUSTMENT LOCATION DIAGRAM



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CBA  
component side)



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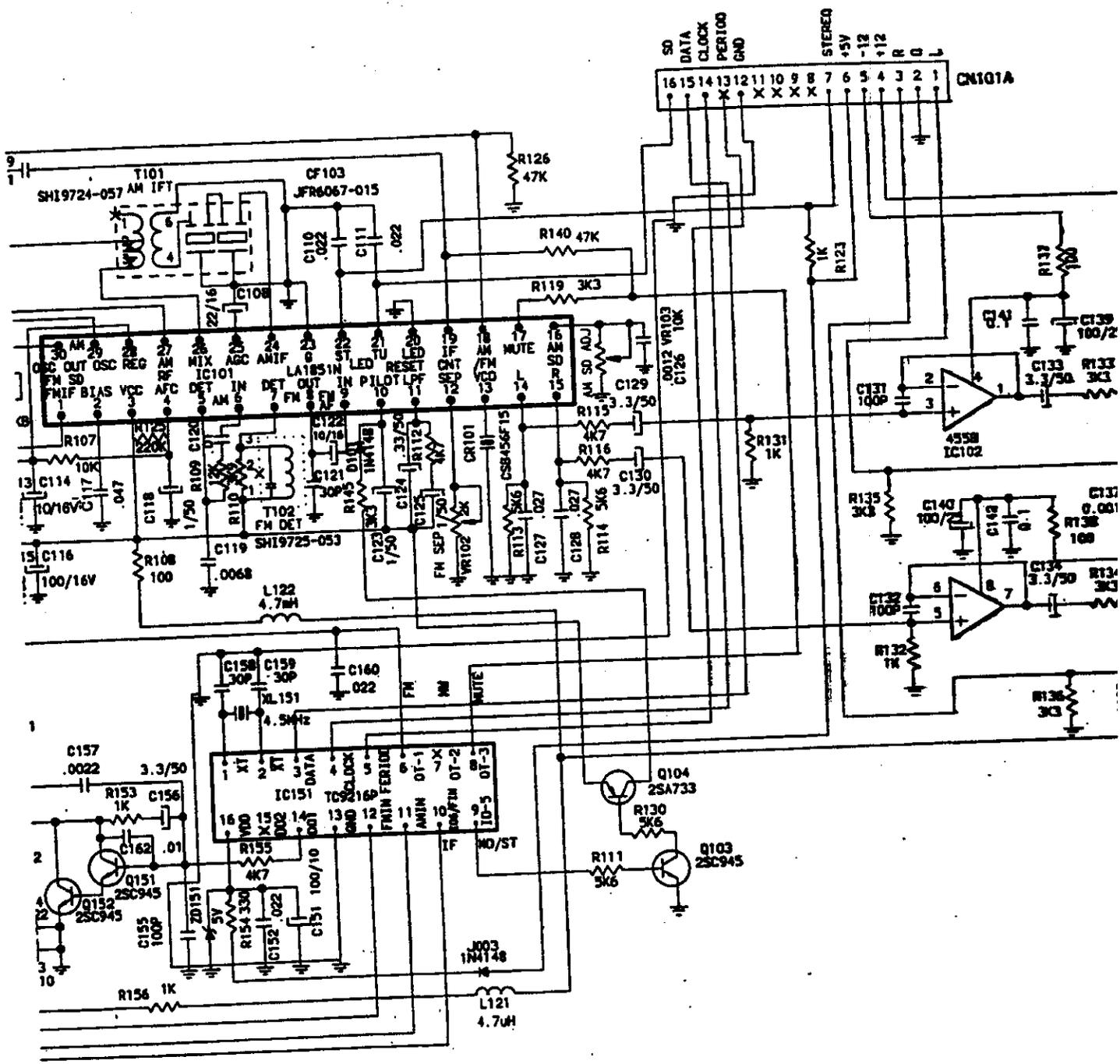
## IC606 PIN FUNCTIONAL DESCRIPTIONS

Pin No.	Symbol	Name	I/O	Function
1	VDD	Digital Power Supply	-	
2	XIN	Oscillator Input	I	Connect to 2 MHz ceramic oscillator.
3	XOUT	Oscillator Output	O	Input to Pin 2 using external clock.
4	REQ	Request	I	Data Request Input.
5	SCK	Shift Clock	I	Serial Data Shift Clock Input.
6	DATA	Data	I	Serial Data Input.
7	IDSW	ID Switch	I	ID code when connect to the common bus.
8	IDFLAG	ID Flag	O	Data Input Confirmation and Serial Data Output.
9	TEST 1	Test 1	-	L = Normal mode.
10	TEST 2	Test 2	-	L = Normal mode.
11	D GND	Digital GND	-	
12	A GND	Analog GND	-	
13	LPF2 OUT	Low-pass Filter 2 Output	O	Constitutes a low pass filter with external C and R (Output Side).
14	LPF2 IN	Low-pass Filter 2 Input	I	
15	OP2 OUT	Operational Amplifier 2 Output	O	Constitutes an integrator with external C.
16	OP2 IN	Operational Amplifier 2 Input	I	
17	CC2	Current Control 2	-	Demodulator ADM Controller.
18	CC1	Current Control 1	-	Modulator ADM Controller.
19	REF	Reference	-	Analog Reference Voltage = 1/2 Vcc.
20	OP1 IN	Operational Amplifier 1 Input	I	Constitutes an integrator with external C and R.
21	OP1 OUT	Operational Amplifier 1 Output	O	
22	LPF1 OUT	Low-pass Filter.1 Output	O	Constitutes a low pass filter with external C and R (Input Side).
23	LPF1 IN	Low-pass Filter 1 Input	I	
24	VCC	Analog Voltage	-	

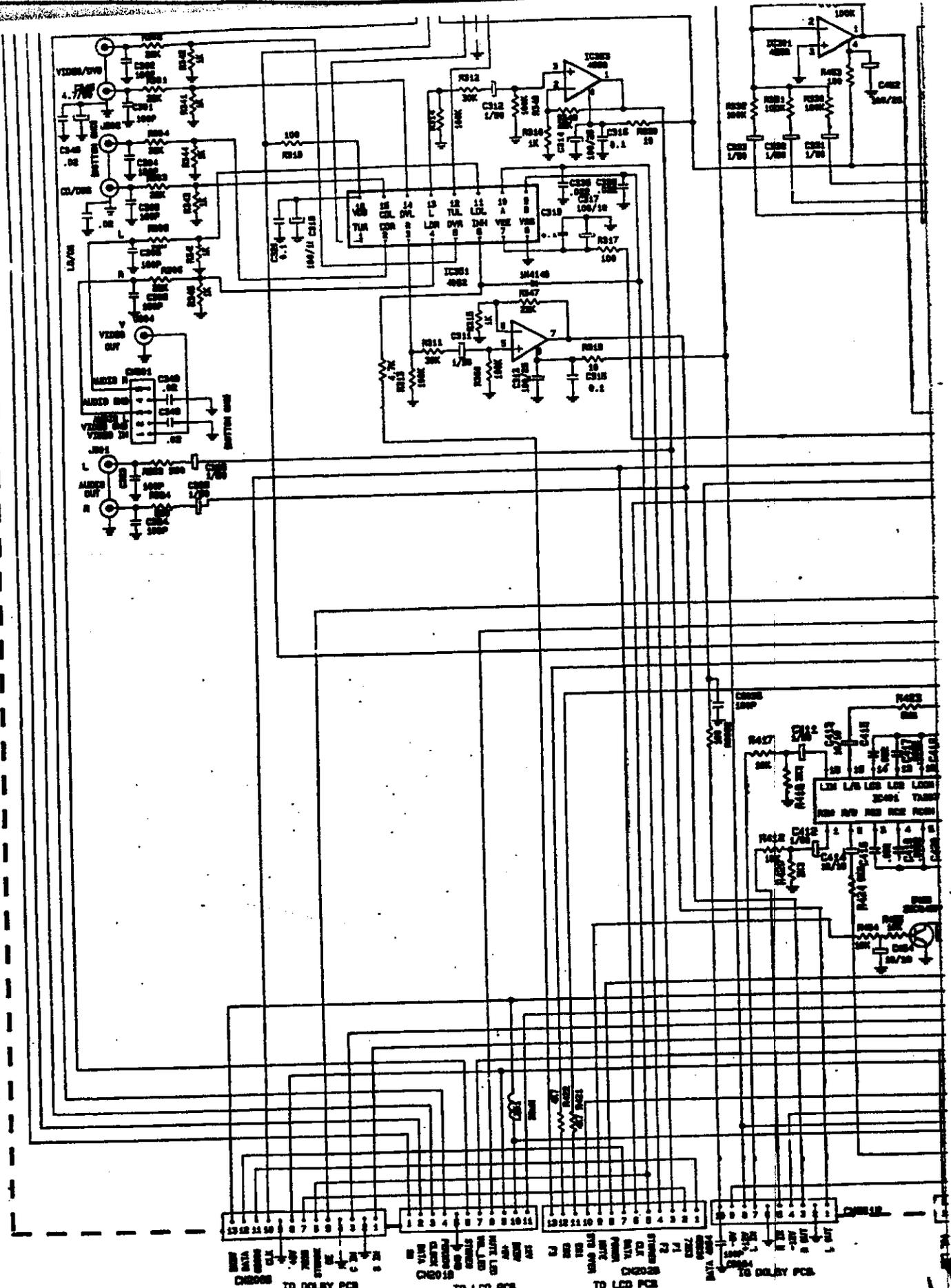
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**SCHEMATIC DIAGRAM**



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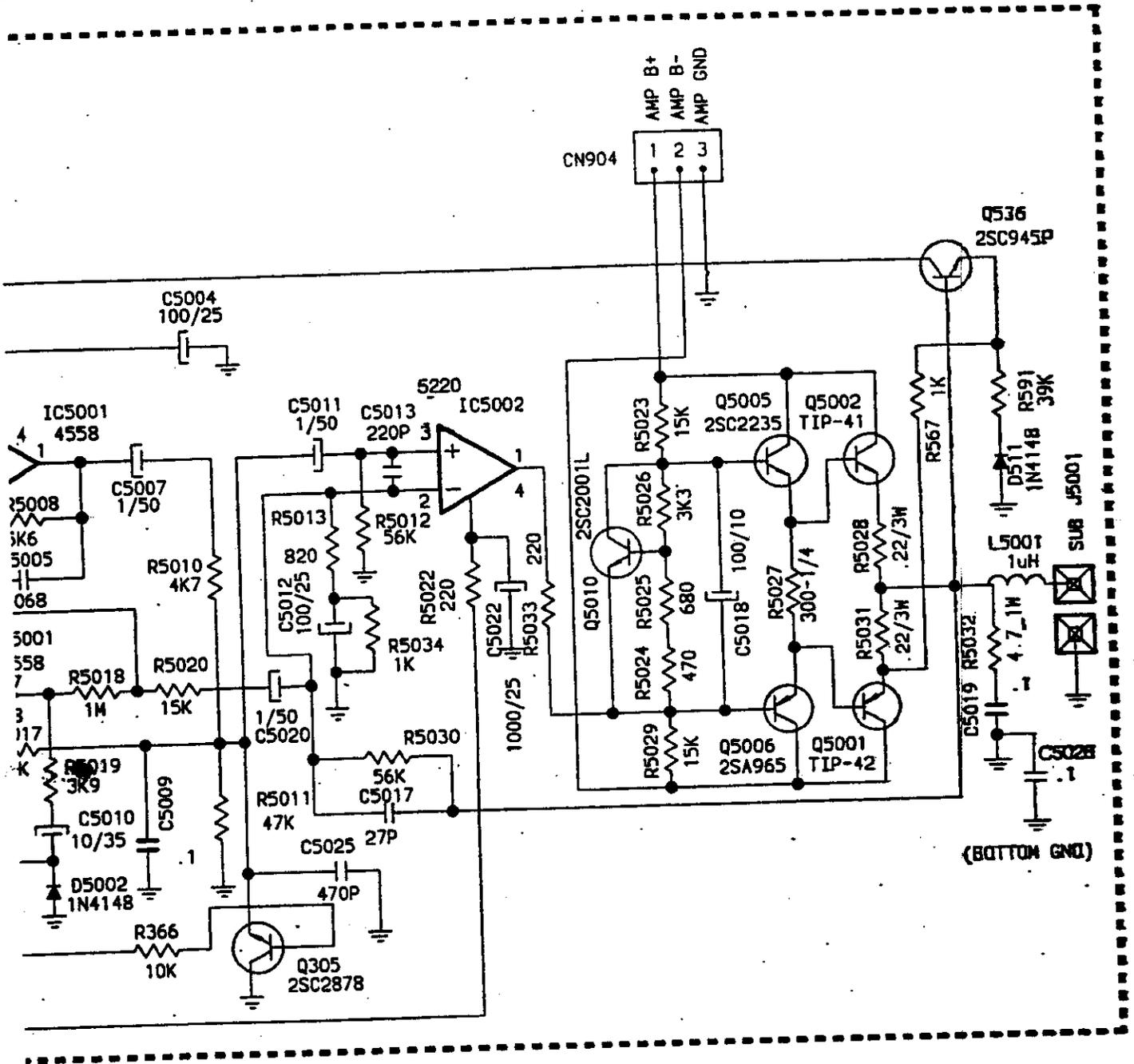


13 12 11 10 9 8 7 6 5 4 3 2 1  
 DATA  
 TO DOLEY PCB  
 13 12 11 10 9 8 7 6 5 4 3 2 1  
 VIDEO 0/90  
 VIDEO 180  
 LAYER  
 TO LCD PCB  
 13 12 11 10 9 8 7 6 5 4 3 2 1  
 DATA  
 TO DOLEY PCB

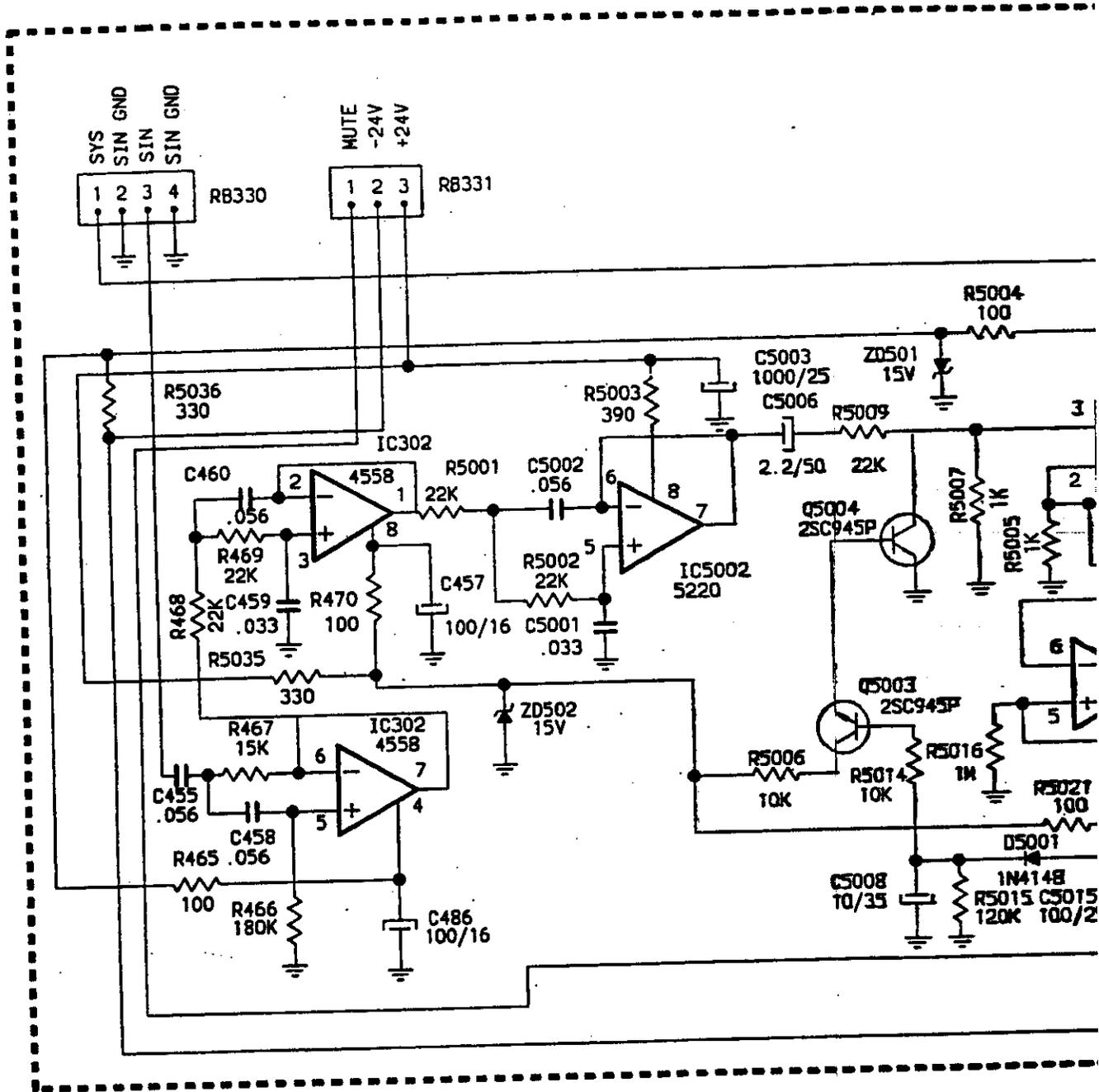




CHEMATIC DIAGRAM

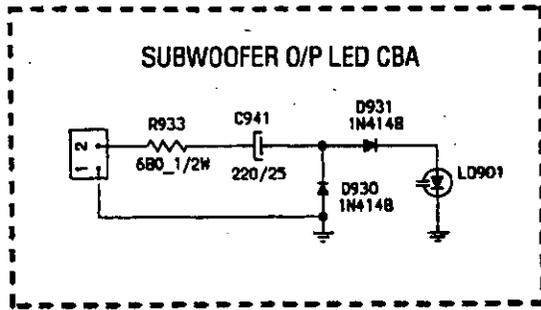
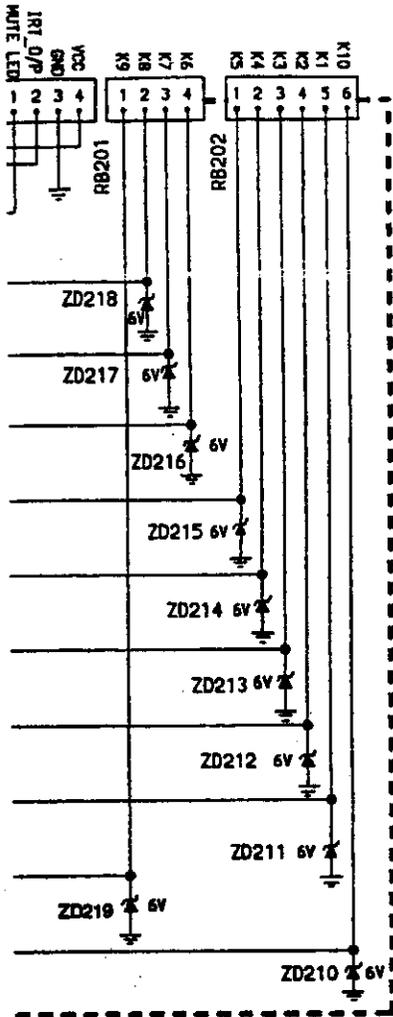


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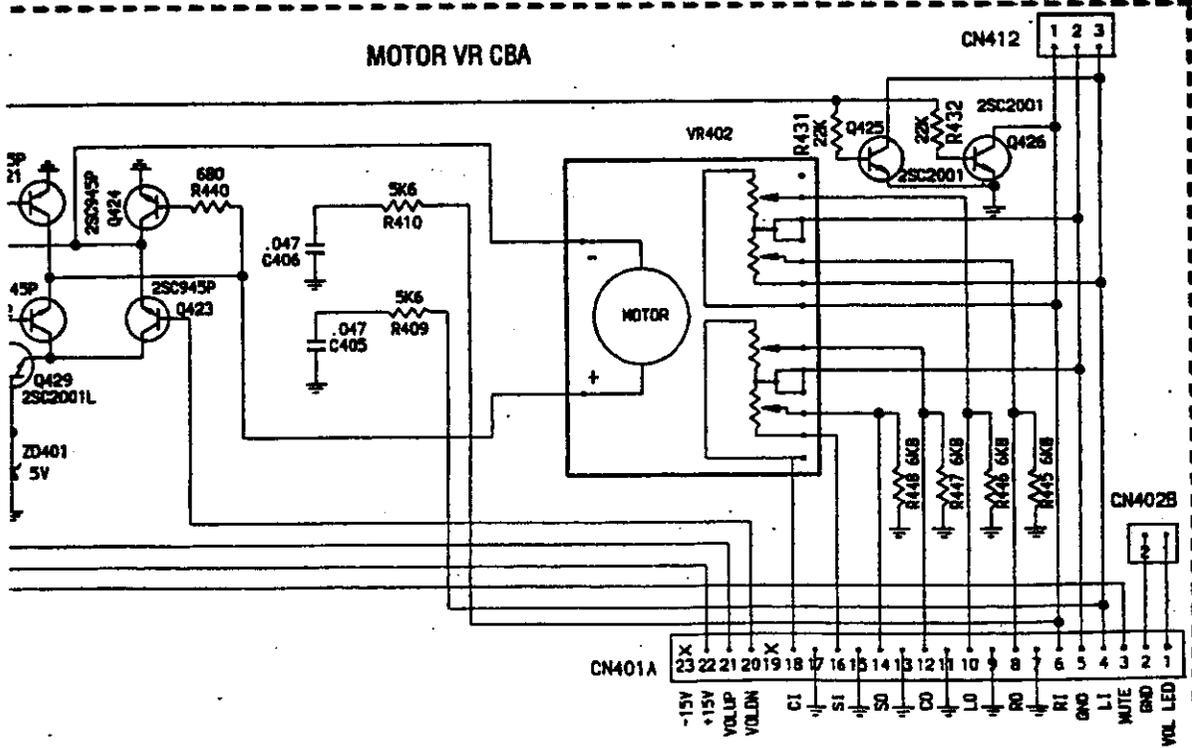


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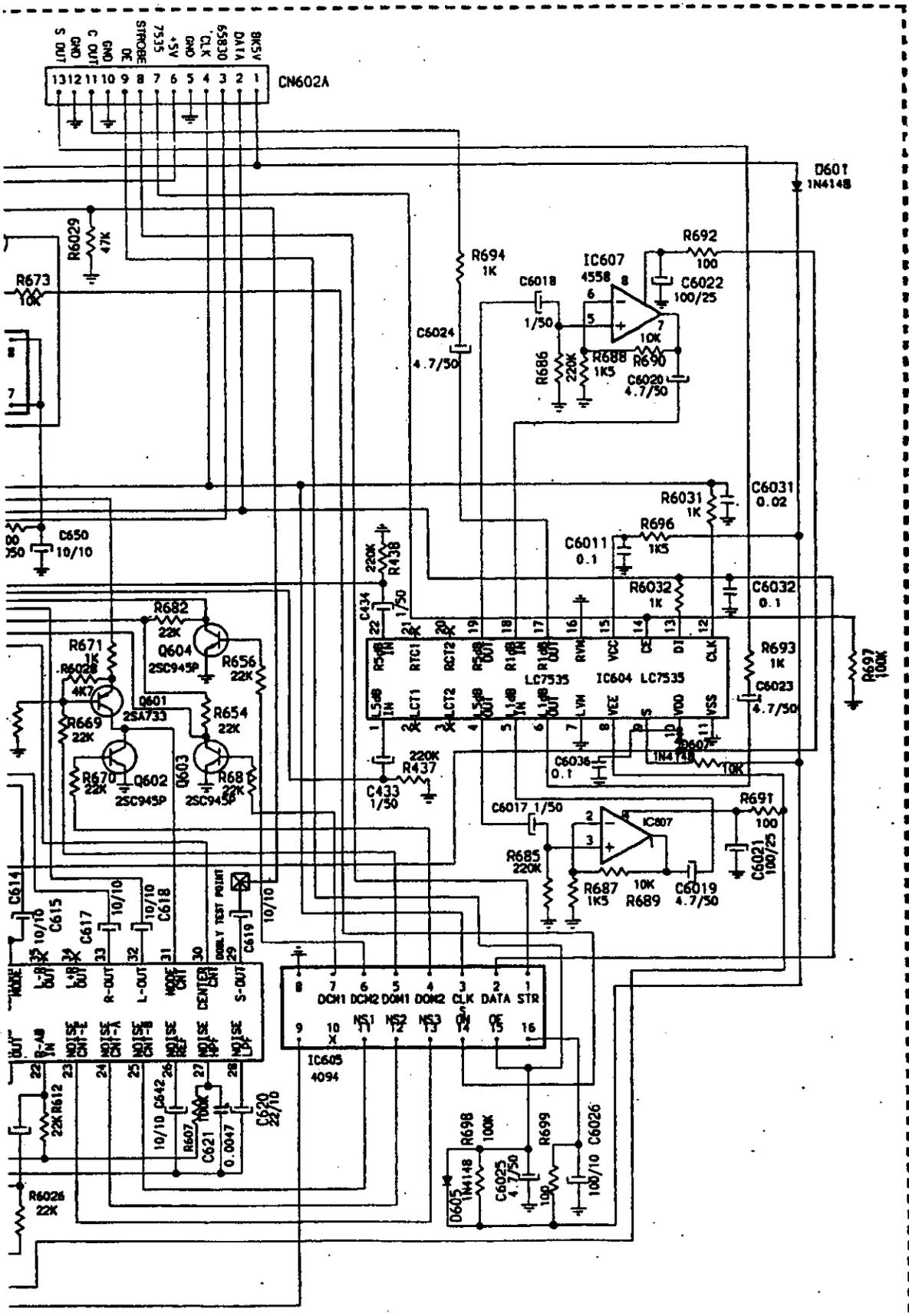


MOTOR VR CBA

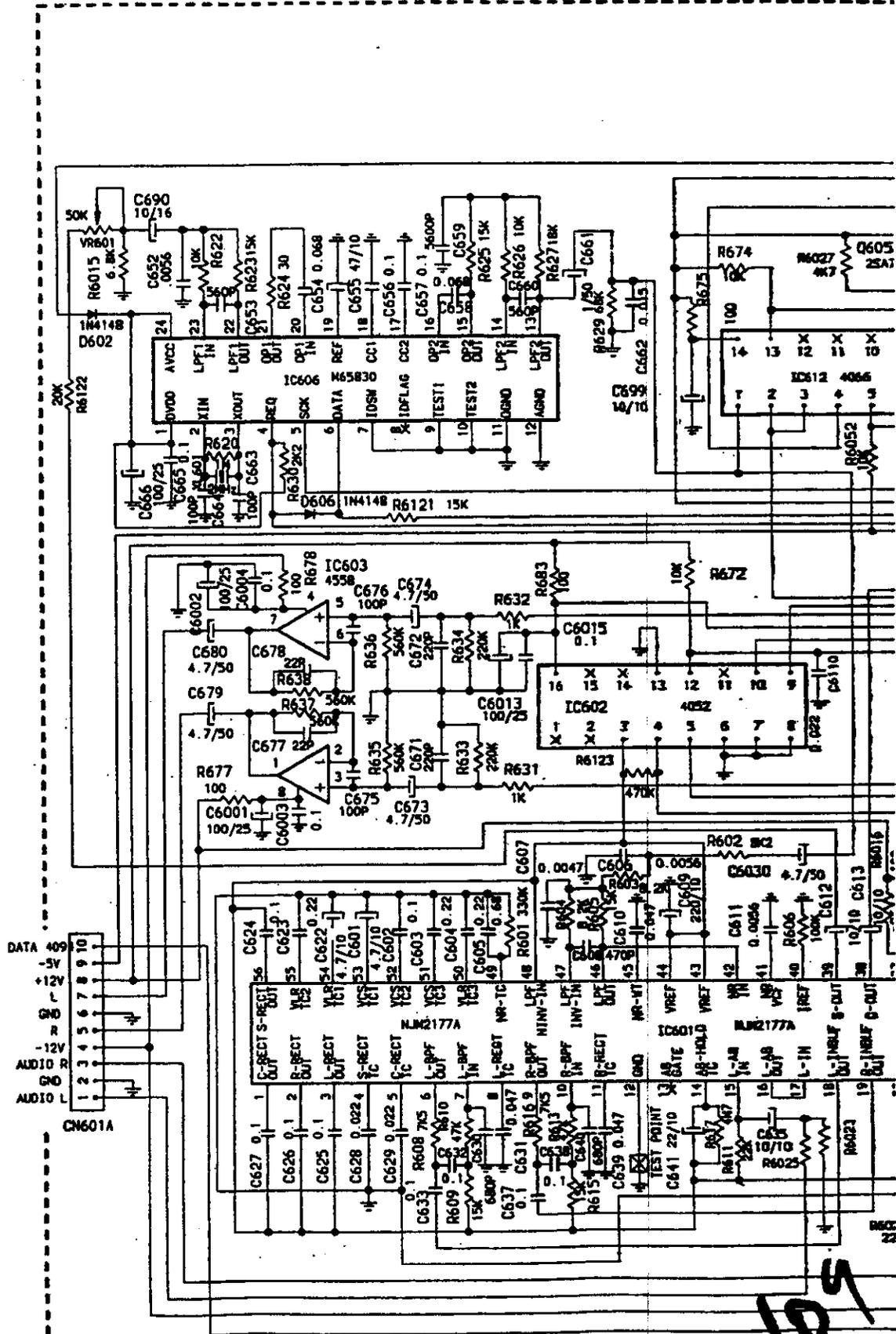


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EMATIC DIAGRAM



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## AUDIO SAFETY GUIDELINES FOR THE PROFESSIONAL SERVICE TECHNICIAN

### Important

Proper service and repair is important to the safe, reliable operation of all Philips equipment. The service procedures recommended by Philips and described in this service manual are effective methods of performing service operations. Some of these service operations require the use of tools specially designed for the purpose. The special tools should be used when and as recommended.

It is important to note that this manual contains various CAUTIONS and NOTICES which should be carefully read in order to minimize the risk of personal injury to service personnel. The possibility exists that improper service methods may damage the equipment. It also is important to understand that these CAUTIONS and NOTICES ARE NOT EXHAUSTIVE. Philips could not possibly know, evaluate and advise the service trade of all conceivable ways in which service might be done or of the possible hazardous consequences of each way. Consequently, Philips has not undertaken any such broad evaluation. Accordingly, a servicer who uses a service procedure or tool which is not recommended by Philips must first satisfy himself thoroughly that neither his safety nor the safe operation of the equipment will be jeopardized by the service method selected.

### Safety Checks

After the original service problem has been corrected, a complete safety check should be made. Be sure to check over the entire set, not just the areas where you have worked. Some previous servicer may have left an unsafe condition, which could be unknowingly passed on to your customer. Be sure to check all of the following:

### Fire and Shock Hazard

1. Be sure all components are positioned in such a way as to avoid the possibility of adjacent component shorts. This is especially important on those units which are transported to and from the service shop.
2. Never release a repaired unit unless all protective devices such as insulators, barriers, covers, strain reliefs, and other hardware have been installed according to the original design.
3. Soldering and wiring must be inspected to locate possible cold solder joints, solder splashes, sharp solder points, frayed leads, pinched leads, or damaged insulation (including the ac cord). Be certain to remove loose solder balls and all other loose foreign particles.
4. Check across-the-line components and other components for physical evidence of damage or deterioration and replace if necessary. Follow original layout, lead length, and dress.
5. No lead or component should touch a resistor rated at 1 watt or more. Lead tension around protruding metal surfaces or edges must be avoided.
6. Critical components having special safety characteristics are identified with a  $\Delta$  by the Ref. No. in the parts list and enclosed within a broken line\* (where several critical components are grouped in one area) along with the safety symbol  $\Delta$  on the schematic diagrams and/or exploded views. Replacement parts without the same safety characteristics may create shock, fire, or other hazards.
7. When servicing any unit, always use a separate isolation transformer for the chassis. Failure to use a separate isolation transformer may expose you to possible shock hazard, and may cause damage to servicing instruments.
8. Many electronic products use a polarized ac line cord (one wide pin on the plug). Defeating this safety feature may create a potential hazard to the servicer and the user. Extension cords which do not incorporate the polarizing feature should never be used.
9. After reassembly of the unit, always perform an ac leakage test or resistance test from the line cord to all exposed metal parts of the cabinet. Also, check all metal control shafts (with knobs removed), antenna terminals, handles, screws, etc. to be sure the unit is safe to operate without danger of electrical shock.

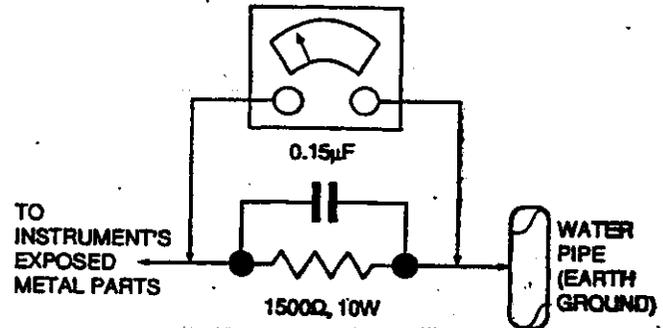
\*Broken line

### FOR PRODUCTS CONTAINING LASER:

**DANGER -** Invisible laser radiation when open. AVOID DIRECT EXPOSURE TO BEAM.  
**CAUTION -** Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.  
**CAUTION -** The use of optical instruments with this product will increase eye hazard.

### Leakage Current Cold Check

1. Unplug the ac line cord and connect a jumper between the two prongs of the plug.
2. Turn on the power switch.
3. Measure the resistance value between the jumpered ac plug and all exposed cabinet parts of the receiver, such as screw heads, antennas, and control shafts. When the exposed metallic part has a return path to the chassis, the reading should be between 1 megohm and 5.2 megohms. When the exposed metal does not have a return path to the chassis, the reading must be infinity. Remove the jumper from the ac line cord.



### Leakage Current Hot Check

1. Do not use an isolation transformer for this test. Plug the completely reassembled unit directly into the ac outlet.
2. Connect a 1.5k, 10W resistor paralleled by a 0.1 µF capacitor between each exposed metallic cabinet part and a good earth ground—such as a water pipe, as shown above.
3. Use an ac voltmeter with at least 5000 ohm/volt sensitivity to measure the potential across the resistor.
4. The potential at any point should not exceed 0.75 volts. A leakage current tester may be used to make this test; leakage current must not exceed 0.5 milliamps. If a measurement is outside of the specified limits, there is a possibility of shock hazard. The receiver should be repaired and rechecked before returning it to the customer.
5. Repeat the above procedure with the ac plug reversed. (Note: An ac adapter is necessary when a polarized plug is used. Do not defeat the polarizing feature of the plug.)

### Parts Replacement

1. Many electrical and mechanical parts in Philips equipment have special safety related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. The use of a substitute part which does not have the same safety characteristics as the Philips recommended replacement part shown in this service manual may create shock, fire, or other hazards. Under no circumstances should the original design be modified or altered without written permission from Philips. Philips assumes no liability, express or implied, arising out of any unauthorized modification of design. Servicer assumes all liability.
2. All ICs and many other semiconductor parts are susceptible to electrostatic discharges (ESD). Careless handling during repair can reduce the life of the part drastically.

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To order parts call the TOLL FREE Philips Sales Center number:  
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**WARNING**

Critical components having special safety characteristics are identified with a **▲** by the Ref. No. in the parts list and enclosed within a broken line \* (where several critical components are grouped in one area) along with the safety symbol **▲** on the schematics or exploded views.

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Use of substitute replacement parts which do not have the same specified safety characteristics may create shock, fire, or other hazards.

\* Broken Line: -----

**TO ENSURE THE CONTINUED RELIABILITY OF THIS PRODUCT, USE ONLY ORIGINAL MANUFACTURER'S REPLACEMENT PARTS, WHICH ARE LISTED WITH THEIR PART NUMBERS IN THE PARTS LIST SECTION OF THIS SERVICE MANUAL.**

**MX920AHT01 ELECTRICAL REPLACEMENT PARTS LIST**

Ref.	Part Number	Description	Ref.	Part Number	Description
<b>RESISTORS</b>			<b>DIODES (continued)</b>		
R836	4822 117 12885	0.1 ohm, 3W, 5%	D804	4822 130 31438	Diode, Power Rectifier, 1N4001
R836	4822 117 12885	0.1 ohm, 3W, 5%	D805	4822 130 31438	Diode, Power Rectifier, 1N4001
R837	4822 117 12885	0.1 ohm, 3W, 5%	D806	4822 130 31438	Diode, Power Rectifier, 1N4001
R838	4822 117 12885	0.1 ohm, 3W, 5%	D807	5322 130 34898	Diode, 1N5401
R853	4822 117 12885	0.1 ohm, 3W, 5%	D808	5322 130 34898	Diode, 1N5401
R854	4822 117 12885	0.1 ohm, 3W, 5%	D809	5322 130 34898	Diode, 1N5401
R855	4822 117 12885	0.1 ohm, 3W, 5%	D810	5322 130 34898	Diode, 1N5401
R856	4822 117 12885	0.1 ohm, 3W, 5%	D815	4822 130 31438	Diode, Power Rectifier, 1N4001
R859	4822 063 10478	4.7 ohm, 1W, 5%	D816	4822 130 30821	Diode, 1N4148
R860	4822 063 10478	4.7 ohm, 1W, 5%	D830	4822 130 30821	Diode, 1N4148
R861	4822 063 10478	4.7 ohm, 1W, 5%	D831	4822 130 30821	Diode, 1N4148
R882	4822 063 10478	4.7 ohm, 1W, 5%	D8001	4822 130 30821	Diode, 1N4148
R909	5322 113 41319	3.8 ohm, 2W, 5%	D8002	4822 130 30821	Diode, 1N4148
R9028	4822 117 12885	0.1 ohm, 3W, 5%	D8001	4822 130 30821	Diode, 1N4148
R9031	4822 063 10478	4.7 ohm, 1W, 5%	LD061	4822 130 83216	IR Diode
R9032	4822 117 12885	0.1 ohm, 3W, 5%	LD062	4822 130 70015	LED, Red
<b>COILS AND TRANSFORMERS</b>			LD001	4822 130 70015	LED, Red
L001	4822 157 71811	Coil, FM RF	LD401	4822 130 70015	LED, Red
L002	4822 157 71809	Coil, FM Oscillator	LD901	4822 130 70015	LED, Red
L003	4822 157 71812	Coil	VD001	4822 130 83987	Diode, 1SV103
L101	4822 157 71813	Coil, Antenna Oscillator, AM	VD002	4822 130 83987	Diode, 1SV103
L102	4822 157 71814	Coil, AM Oscillator, 100uH, 790kHz	VD003	4822 130 83987	Diode, 1SV103
L120	4822 157 11069	Choke Coil, 22uH, 5%, 7.9MHz	VD101	4822 130 81673	Diode, 1SV148B
L121	4822 157 11069	Choke Coil, 22uH, 5%, 7.9MHz	VD102	4822 130 81673	Diode, 1SV148B
L122	4822 157 11069	Choke Coil, 22uH, 5%, 7.9MHz	ZD151	4822 130 34223	Diode, Reference Zener, 5 - 0.5V, 0.5W
T001	4822 157 71805	Coil, FM IFT, 10.7MHz	ZD001	4822 130 10309	Diode, Reference Zener, 4.1 - 4.3V, 0.5W
T101	4822 157 11203	Coil, AM IFT	ZD204	4822 130 34167	Diode, Reference Zener, 6 - 0.5V, 0.5W
T102	4822 157 71804	Coil, FM IFT	ZD205	4822 130 34167	Diode, Reference Zener, 6 - 0.5V, 0.5W
TT001 ▲	4822 146 31487	Power Transformer, 120V	ZD206	4822 130 34167	Diode, Reference Zener, 6 - 0.5V, 0.5W
<b>DIODES</b>			ZD210	4822 130 34167	Diode, Reference Zener, 6 - 0.5V, 0.5W
D801	4822 130 30821	Diode, 1N4148	ZB001	4822 130 34167	Diode, Reference Zener, 6 - 0.5V, 0.5W
D802	4822 130 30821	Diode, 1N4148	ZD212	4822 130 34167	Diode, Reference Zener, 6 - 0.5V, 0.5W
D803	4822 130 30821	Diode, 1N4148	ZD213	4822 130 34167	Diode, Reference Zener, 6 - 0.5V, 0.5W
D806	4822 130 30821	Diode, 1N4148	ZD214	4822 130 34167	Diode, Reference Zener, 6 - 0.5V, 0.5W
D808	4822 130 30821	Diode, 1N4148	ZD215	4822 130 34167	Diode, Reference Zener, 6 - 0.5V, 0.5W
D810	4822 130 30821	Diode, 1N4148	ZD216	4822 130 34167	Diode, Reference Zener, 6 - 0.5V, 0.5W
D811	4822 130 30821	Diode, 1N4148	ZD217	4822 130 34167	Diode, Reference Zener, 6 - 0.5V, 0.5W
D832	4822 130 30821	Diode, 1N4148	ZD218	4822 130 34167	Diode, Reference Zener, 6 - 0.5V, 0.5W
D803	4822 130 30821	Diode, 1N4148	ZD219	4822 130 34167	Diode, Reference Zener, 6 - 0.5V, 0.5W
D804	4822 130 30821	Diode, 1N4148	ZD401	4822 130 34333	Diode, Reference Zener, 6 - 0.5V, 0.5W
D805	4822 130 30821	Diode, 1N4148	ZD001	4822 130 34498	Diode, Reference Zener, 18.5 - 22.4V, 0.5W
D806	4822 130 30821	Diode, 1N4148	ZD002	4822 130 34498	Diode, Reference Zener, 18.5 - 22.4V, 0.5W
D807	4822 130 30821	Diode, 1N4148	ZD903	4822 130 34167	Diode, Reference Zener, 6 - 0.5V, 0.5W
D808	4822 130 30821	Diode, 1N4148	ZD904	4822 130 34167	Diode, Reference Zener, 6 - 0.5V, 0.5W
D809	4822 130 30821	Diode, 1N4148	ZD905	4822 130 34167	Diode, Reference Zener, 11.5 - 12.4V, 0.5W
D810	4822 130 30821	Diode, 1N4148	ZB006	4822 130 34198	Diode, Reference Zener, 12.8 - 13.1V, 0.5W
D811	4822 130 30821	Diode, 1N4148	ZD907	4822 130 61219	Diode, Reference Zener, 9.7 - 12.1V, 0.5W
D812	4822 130 30821	Diode, 1N4148	<b>TRANSISTORS</b>		
D813	4822 130 30821	Diode, 1N4148	Q001	4822 130 41586	Transistor, 2BC874L
D814	4822 130 30821	Diode, 1N4148	Q002	4822 130 41586	Transistor, 2BC874L
D815	4822 130 30821	Diode, 1N4148	Q003	4822 130 63876	Transistor, 2SA733R
D801	4822 130 30821	Diode, 1N4148	Q004	4822 130 41198	Transistor, 2BC845P
D802	4822 130 30821	Diode, 1N4148	Q005	4822 130 63173	Transistor, FET, 2SK182A-V70E
D805	4822 130 30821	Diode, 1N4148	Q051	4822 130 10211	Transistor, 2SA852
D806	4822 130 30821	Diode, 1N4148	Q052	4822 130 10211	Transistor, 2SA852
D807	4822 130 30821	Diode, 1N4148	Q101	4822 130 63173	Transistor, FET, 2SK182A-V70R
D808	4822 130 30821	Diode, 1N4148	Q103	4822 130 41198	Transistor, 2BC845P
D809	4822 130 30821	Diode, 1N4148	Q104	4822 130 63876	Transistor, 2SA733R
D810	4822 130 30821	Diode, 1N4148	Q151	4822 130 41198	Transistor, 2BC845P
D811	4822 130 30821	Diode, 1N4148	Q152	4822 130 41198	Transistor, 2BC845P
D812	4822 130 31438	Diode, Power Rectifier, 1N4001			
D813	4822 130 31438	Diode, Power Rectifier, 1N4001			
D814	4822 130 31438	Diode, Power Rectifier, 1N4001			

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**FEDEX USA Airbill** # 804821187745

0200 Sender's Copy

**To (please print and press hard)**  
 9-7-98 Sender's Public Account Number  
 Name Randy Brown Phone (423) 636-5910  
 Company Philips Consumer Electronics  
 Address 407 N Irish St.  
Greenville TN 37743

**To (please print and press hard)**  
 Name Valery Caesar (x1139) Phone (800) 638-2772  
 Company U.S. Consumer Product Safety Commission  
 Address 4330 East West Hwy  
Bethesda MD 20814-4408

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**For Warehouse**  **For Retail**  **For Retail**  
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**Special Handling**        
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**Payment**  
 **Sender's Account**  **Collect**  **Third Party**  **Overseas**  **Other**   
 Total Packages 4 Total Weight 9.80 lbs Total Declared Value 1000 Total Charges 8.75  
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 Date 9/7/98

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# NEWS from CPSC

## U.S. CONSUMER PRODUCT SAFETY COMMISSION

OFFICE OF INFORMATION AND PUBLIC AFFAIRS

WASHINGTON, D.C. 20207

FOR IMMEDIATE RELEASE

CONTACT: Mr. Richard Stern

August 31, 1998

(301) 504 - 0608 Ext. 1366

Release #98-\_\_\_

### **CPSC, PHILIPS CONSUMER ELECTRONICS COMPANY ANNOUNCE RECALL TO REPAIR PHILIPS/MAGNAVOX MODEL MX920 HOME AUDIO PRODUCTS**

WASHINGTON, D.C. - In cooperation with the U.S. Consumer Product Safety Commission (CPSC), Philips Consumer Electronics Company of Jefferson City, TN, is offering the free repair of all Philips/Magnavox audio home theater systems, Model MX920. For the approximately 25,500 units in consumers hands, the connection between the amplifier and the speakers under certain conditions may allow the pre-heating of the speaker voice coil, which may subsequently be acoustically thrown forward into the speaker grill possibly causing ignition of the grill.

While the product's components are UL approved and all ratings meet standards, four units, of 28,000 manufactured, were returned by consumers after experiencing problems with the potential for a fire hazard. No injuries have been reported. Working with the manufacturer, ATLM Taiwan, Inc. (ATLM), Philips and ATLM engineers tested the returned units and were unable to find the existence of any defect. Moreover, thorough investigations and testing of approximately 750 units within Philips control have been unable to duplicate the results. However, the minor incidences reported coupled with the potential existence of a weak design have led Philips to this recall despite the inability to confirm the existence of an actual defect.

The recalled products are under the Philips/Magnavox brand and have the model number "MX920" both prominently on the front of the receiver cabinet and on a rear label in the upper left corner when looking at the back of the receiver. The receiver was sold in a package with five loudspeakers and a subwoofer.

Major superstores and other department stores, such as Best Buy, K-Mart, Lowes, Montgomery Ward, Service Merchandise and Wal-Mart, sold the Model MX920 nationwide from June of 1997 and may have such Models still in inventory. The price of the Model MX920 is approximately \$349.00.

To prevent the occurrence of the incidences, Philips is offering a free repair, consisting of additional circuitry designed to prevent the speakers from being totally unprotected. Consumers should stop using the recalled MX920s immediately and call Philips at (800) (to be determined) for instructions of how to get your unit properly protected. Or you may write Philips at Philips Consumer Electronics Company, Old Andrew Johnson Highway, P.O. Box 555, Jefferson City, TN 37760.

The U.S. Consumer Product Safety Commission protects the public from the unreasonable risk of injury or death from 15,000 types of consumer products under the agency's jurisdiction. To report a dangerous product or a

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product-related injury and for information on CPSC's fax-on-demand service, call CPSC's hotline at (800) 638-2772 or CPSC's teletypewriter at (800) 638-8270. To order a press release through fax-on-demand, call (301) 504-0051 from the handset of your fax machine and enter the release number. Consumers can obtain this release and recall information via Internet gopher services at [cpsc.gov](http://cpsc.gov) or report hazards to [info@cpsc.gov](mailto:info@cpsc.gov).

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16 C.F.R. § 1115 (13)(d) FULL REPORT

1) Report issued by: **Randall R. Mitchell**

**Phillips Consumer Electronics Company  
64 Perimeter Center East  
P.O. Box 467300  
Atlanta, GA 31146-7300**

**Vice President Quality**

2) Manufacturer: **ATLM Taiwan, Inc.**

**3<sup>rd</sup> Floor, No. 2  
Tze-Chaing 3<sup>rd</sup> Road  
Chung-Li City,  
Taoyuan  
Hsien Taiwan  
Republic of China**

Other Plants: **None to our knowledge**

3) Identification and description of the product:

**Brand: Magnavox  
Model No.: MX920AHT  
Serial Nos.: KQ009717000001 - KQ009751028302  
Date Codes: Manufacturer Range; 9717 - 9751 (per underlined above)  
UPC Code: 037849848920  
Retail Price: \$349.00  
Identifying Marks: Phillips/Magnavox  
Picture: See F/R Attachment 1.  
Sample: 4 units provided to the U.S. Consumer Product Safety  
Commission to the attention of Valery Caesar at 4330 East  
West Hwy, Bethesda, MD 20814-4408 (see copy of Fed Ex. USA  
Airbill attached).**

3) Nature of the defect, including risk:

**Technical Drawings: See Technical Service Data, CAP Attachment II.**

**Test Results: See CAP Attachments 9-10.**

**Schematics/Diagrams: See Technical Service Data, CAP Attachment II.**

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5) Nature of the injury/possible injury: **No actual injury reported/fire related**

6) Manner and date when information about the defect was obtained:

Copies of complaints/reports: **See CAP Attachments 2-8.**

**Chronology of facts/events leading to the § 15(b) report: Two units were returned to Philips service department in June. As a result future shipments of products from Philips was halted. The returned units were shipped to the Manufacturer, which was unable to determine the existence of any defect. Two additional units were reported problematic and received by July 17. Philips again was unable to determine the existence of any defect. At a meeting with Manufacturer representatives on July 28, 1998, their data was analyzed and the existence of a possible defect was discussed. Not until further Philips investigations on July 31 through August 3, 1998 was the existence of possible design weakness confirmed.**

**Investigations have been complicated due the inability to duplicate the actual real world scenarios and to the location of Philips technical personnel in Tennessee, the Manufacturer's representatives in Indiana, and the Manufacturer's affiliate factory in Chung-Li, Taiwan.**

7) Total number of products involved: **1**

Total number of units involved: **approximately 28,300**

8) Dates when product units were manufactured: **June 1997 through December 1997**

Dates when product units were imported: **June 1997 through February 1998**

Dates when product units were distributed: **June 1997 through May, 1998**

Dates when product units were sold at retail **June 1997 through July, 1998**

9) Number of product units:

In the possession of the manufacturer/importer: **None for sale**

In the possession of the private labeler: **None for sale**

In the possession of the distributors: **None for sale**

In the possession of the retailers: **Approximately 1,950**

In the possession of the consumers: **Approximately 25,500**

10) Explanation of any changes that have been or will be effected to correct the defect.

**Discussions with the Manufacturer have led to the conclusion that the one best possible remedy would be the introduction of a circuit board containing proper componentry to retrofit speaker protection. (See CAP Attachment 1).**

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Other steps that have been or will be taken to prevent similar occurrences in the future together with the timetable for implementing such changes and steps.

**Philips strictly follows FCC, FTC, UL and other regulatory guidelines and processes before introducing products into the U.S. market. In regard to Philips internal design practices for products to be produced by Philips, Philips does not and will not incorporate technology/circuitry allowing speakers to be unprotected.**

- 11) Information that will be given to purchasers, including consumers, about the defect/risk, with a description of how this information will be communicated.

Draft of letters: See CAP Attachment 13 and 14.

Draft of press releases: See CAP Attachment 15.

Other information: To be determined.

- 12) The details of and schedule for any contemplated refund, replacement, or repair actions, including plans for disposing of returned products:

**Option 1:** Philips has identified that there were approximately 28,300 units of the Model MX920 (the Product) manufactured, imported, and distributed to re-sellers for the U.S. Of the 28,300 distributed, approximately 759 have been received by Philips in various ways including those damaged or defective in other ways. The majority of these have served a valuable purpose of being tested by Philips for the defect. The remaining units should undergo the repair as identified above.

First, as some Product remains in the hands of re-sellers (K-Mart - 730; Montgomery Ward - 375; Service Merchandise - 76; WalMart - 769) Philips will notify such re-sellers of the recall and request that they discontinue sales of the units. Philips will then coordinate the repair of such units.

Second, Philips also receives returned products in the normal course of business from several ways:

- a) **Refurbishers:** Philips uses no more than three independent parties to receive and process returned Philips products. These returns are usually for any reason other than a warranty repair. The three parties are: 1) RB Enterprises, Chatsworth, CA; 2) Hi Quality, Ontario, CA, which captures all returns other than WalMart and Sam's Clubs; and 3) Ozark, Siloam Springs, AR, which captures only WalMart and Sams' Clubs returns. While a predominant amount of the tested units came from these sources, the facilities have already been notified to accumulate and hold other MX920 units received until further instructed.
- b) **Factory Service:** Philips/Magnavox factory service facilities have been instructed to capture all MX920AHT units and hold until further instructed.

- c) **Independent Authorized Service Centers:** Philips has placed all MX920 replacement parts on hold to diminish the possibility of the release of a unit without being properly repaired. Philips will send an appropriate NOTICE OF RECALL to further instruct these independent operators on the proper procedure to accomplish the repair.
- d) **Other:** The Philips "Techline" and "Customer Assistance Center" have been notified of the recall and the necessity to capture the units for a proper repair.

Third, Philips will send appropriate NOTICE OF RECALL letters directly to any customers for which we have a name on file and work diligently to effect the repair.

Fourth, Philips will design appropriate NOTICE OF RECALL posters and other information to be placed in the retail locations indicating to consumers the urgency of the matter and how to obtain a repair.

Fifth, due to the minimal hazard propounded by the design weakness, Philips would like to coordinate the recall and repair of the remaining MX920 units (presumably in the consumers hands) in the most direct way as possible. Therefore, Philips is coordinating information gathering from the retailers in order to sort out any possibilities of gathering customer information directly from the retailers. Sources expected to be pursued are: credit card information, extended warranty information, other marketing driven information collected.

It is unclear at this time exactly what type of information is available and any time or other constraints in obtaining such information. Philips will work diligently to pursue such opportunities and report to the U.S.C.P.S.C. on a timely and regular basis the results of our exploration.

**Option 2:**

In addition to One through Four above, Philips will issue jointly with the U.S.C.P.S.C. a Press Release. (See CAP Attachment 15).

- 13) A detailed explanation and description of the marketing and distribution of the product from the manufacturer to the consumer:

Philips sold greater than 500 MX920 units only to: B.J. Wholesale, Best Buy, J.C. Penney, K-Mart, Lowes, Montgomery Ward, Service Merchandise, and WalMart. These purchasers account for greater than 91% of Philips sales of the Product.

- 14) The names and addresses of all distributors, retailers, and purchasers, including consumers, to the best of our knowledge and records, are available upon specific request.
- 15) Philips Consumer Electronics Company will work diligently to provide such further information necessary or appropriate to the functions of the Commission as is specifically requested by the staff of the Commission.

MX920AHT

# Home Audio

DOLBY PRO LOGIC RECEIVER WITH 100 WATT TOTAL OUTPUT  
POWER INCLUDING A 15 WATT INTEGRATED SUBWOOFER AMPLIFIER

PHILIPS MAGNAVOX

PHILIPS

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- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

Randall R. Mitchell  
 Vice President, Quality Management  
 Philips Consumer Electronics Company  
 64 Perimeter Center East  
 Atlanta, GA 31146-7300

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- Insured
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8/12/98

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X *[Signature]* COURIER

PS Form 3811, December 1994

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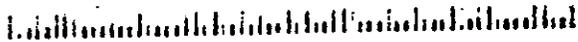
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VVC 1R980192

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**U.S. CONSUMER PRODUCT SAFETY COMMISSION**  
**WASHINGTON, D.C. 20207**

**OFFICE OF COMPLIANCE**  
Recalls and Compliance Division  
Email: [vccasr@cpsc.gov](mailto:vccasr@cpsc.gov)

**Valery V. Connor**  
Compliance Officer  
Tel: 301-304-0608, Ext. 1139  
Fax: 301-304-0359

**AUG 07 1998**

**Certified Mail/Telecopy: (770) 821-2266**

**Randall R. Mitchell**  
Vice President, Quality Management  
Philips Consumer Electronics Company  
64 Perimeter Center East  
Atlanta, GA 31146-7300

**Re: CPSC RP980192**  
**Philips Consumer Electronics Company**  
**Magnavox Audio Home Theatre System**

**Dear Mr. Mitchell:**

Thank you for your report of August 3, 1998, under section 15(b) of the Consumer Product Safety Act, as amended (CPSA), 15 U.S.C. § 2064(b). In your report, you identified a potential problem with the Magnavox model MX920 Audio Home Theatre System. You indicated that the speakers of the system can overheat and smoke, creating a potential fire hazard.

You also noted that the firm wishes to participate in the Commission's Fast Track Product Recall Program. This program, formerly called the No Preliminary Determination (No PD) Program, is described in the Federal Register of July 24, 1997, and in the enclosed materials. To participate in this program, your firm must initiate an acceptable corrective action plan no later than August 31, 1998, and you must also provide all of the information required to be included in a full report described at 16 C.F.R. § 1115(13)(d). If you have not done so already, we request that you provide a copy of your proposed corrective action plan (CAP), including all draft notice material, as soon as possible, but no later than

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RP980192

Page 2

August 17, 1998. To assure that the staff is able to evaluate the adequacy of the firm's proposed CAP prior to its initiation, please submit the requested full report information along with the proposed CAP. In order to evaluate the adequacy of the engineering and/or manufacturing change, please also submit samples of the old and new units along with any relevant engineering drawings, schematics, etc. Claims for information confidentially should follow 16 C.F.R. § 1115.15(b), confidentially and disclosure of data.

Mr. Richard Stern, a Compliance Officer on the Electrical Products Team, will assist you in implementing an acceptable corrective action plan. If you have any questions, you may contact Mr. Stern directly by telephone on: (301) 504-0608, extension 1366, or you may email him at: [rstern@cpsc.gov](mailto:rstern@cpsc.gov). For all overnight and/or direct delivery services, please address the material to: Office of Compliance, U.S. Consumer Product Safety Commission, Room 613, 4330 East West Highway, Bethesda, MD 20814-4408. The Office of Compliance telefax number is (301) 504-0359.

Sincerely,

*V. C. Caesar / c+p*

Valery V. Caesar  
Compliance Officer  
Recalls and Compliance Division

Enclosure

CPSC Program Information

cc: Consumer Product Safety Commission  
Central Regional Center  
Suite 2945  
230 S. Dearborn St.  
Chicago, IL 60604

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U.S. CONSUMER PRODUCT SAFETY COMMISSION  
WASHINGTON, DC 20207

OFFICE OF COMPLIANCE

RECALLS AND COMPLIANCE DIVISION

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FAX: 301-504-0398

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TITLE: \_\_\_\_\_

OFFICE: \_\_\_\_\_

FAX #: 470 821-2266

FROM: Valery Coover

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3. Article Addressed to:  Phillip Riggins Philips Consumer Electronics Company 64 Perimeter Center East Atlanta, GA 31146-7300		4a. Article Number <u>320 452 917</u> b. Service Type <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Certified <input type="checkbox"/> Express Mail <input type="checkbox"/> Insured <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> COD Date of Delivery <u>10/27/58</u>	
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7. Signature: (Addressee or Agent) X <u>[Signature]</u>			

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*rls RP980192 Philips Consumer Elec.*



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U.S. CONSUMER PRODUCT SAFETY COMMISSION  
WASHINGTON, D.C. 20207

OFFICE OF COMPLIANCE  
Recalls and Compliance Division  
Email: rster@cpsc.gov

OCT 20 1998

Richard L. Shaw  
Compliance Officer  
Tel: 301-304-0608, Ext. 1366  
Fax: 301-604-4359

Certified Mail/Telecopy: (770) 821-2266

Phillip Riggins  
Philips Consumer Electronics Company  
64 Perimeter Center East  
Atlanta, GA 31146-7300

Re: CPSC RP980192  
Philips Consumer Electronics Company  
Audio Home Theatre System

Dear Mr. Riggins:

Thank you for your report of August 17, 1998, under section 15(b) of the Consumer Product Safety Act, as amended (CPSA), 15 U.S.C. § 2064(b), and for promptly initiating a corrective action plan to address the reported problem. In your report you indicated that the speaker's voice coil could overheat and lead to a speaker fire.

To address the problem, the firm has agreed to take the following action:

- 1) Stop selling the affected units and have retailers return all unsold units for repair;
- 2) Install an approved, speaker protection circuit to all units in your possession and returned for repair;
- 3) Provide customers with a toll-free number to call for the location of the nearest authorized service center to arrange the installation of the protective circuit installation;
- 7) Install point of purchase posters in retail locations where all customers of this product can not be identified. These posters will remain in the stores for at least 120 days from the date of posting;

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- 8) Issue a joint, agreed upon press release announcing the recall and the remedy;
- 9) Post an approved notice of this recall on the Philips Magnavox website;
- 10) Send direct mail notice to all identified customers.

The staff of the Office of Compliance of the U.S. Consumer Product Safety Commission has reviewed the actions submitted by Philips Consumer Electronics Company concerning Audio Home Theatre System. Acting under delegation from the Commission, the staff has accepted the plan as adequate.

Please continue the corrective actions implemented and initiate any others contained in the plan accepted by the staff. The Office of Compliance will be monitoring the firm's corrective action plan. Please submit monthly progress reports of the recall, using the enclosed form, to U.S. Consumer Product Safety Commission, Office of Compliance, Tina Adekoya, 4330 East West Highway, Room 613, Washington, D.C. 20207-0001 by the first of each month or fax to (301) 504-0359. If you have any questions, please contact Tina Adekoya on (301) 504-0608 extension 1223. Please reference the CPSC file number in your response.

When your firm determines the corrective action plan has been implemented to the best of its ability and as many products as possible have been removed from the marketplace, it may submit a final progress report, referencing the file number, and request that the file be closed. At that time the staff will review the plan's progress and decide whether the file should be closed. The Office of Compliance will evaluate the effectiveness of the plan. The staff could seek broader corrective action if the corrective action plan does not prove effective.

If the firm receives or learns of any information concerning other incidents or injuries, or information affecting the scope, prevalence or seriousness of the reported problem, it must report that information to this Office immediately. Additionally, if the firm receives information which might indicate that its corrective actions are not satisfactory in eliminating the problem or that the effectiveness of the corrective action program is less than has been anticipated, it must report that information to this Office immediately.

Section 6(b)(1) requires the Commission to give notice thirty days in advance of the intended disclosure of information that identifies the manufacturer or private labeler of a product. The staff is enclosing a summary of the corrective action plan. The Commission publishes a list of product recalls and other corrective actions initiated by firms in an Annual Report to Congress. This information is also occasionally used in lists for specific product categories. This letter gives the firm its opportunity under section 6(b)(1) of the Consumer

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Page 3  
RP980192

Product Safety Act (CPSA), 15 U.S.C. § 2055(b)(1), and 16 C.F.R. Part 1101, to comment on the accuracy of the information.

The staff has made every effort to assure that the enclosed information is accurate. If, however, the firm believes that the information is not accurate, please send comments to Richard L. Stern. The firm's comments must be received within twenty-three calendar days of your receipt of this certified letter if they are to be considered. Please include with any comments specific information to support any claim that the information is not accurate. If the Commission decides to disclose the information, unchanged, over any accuracy objections, it will give the firm ten (10) working days notice, as required by section 6(b)(2) of the CPSA, 15 U.S.C. § 2055(b)(2).

Thank you for your continued cooperation in this matter. If you have any questions, please contact me, at: (301) 504-0608, extension 1366.

Sincerely yours,



Richard L. Stern  
Compliance Officer  
Recalls and Compliance Division

**Enclosures:**

Corrective Action Summary  
Progress Report Form

cc: Consumer Product Safety Commission  
Central Regional Center  
Suite 2945  
230 S. Dearborn St.  
Chicago, IL 60604

Judith Hayes, CCA  
Tina Adekoya, CCA

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**Voluntary Corrective Action Plans Under Section 15  
of the Consumer Product Safety Act and  
Section 15 of the Federal Hazardous Substances Act**

The following is a list of voluntary corrective action plans recently accepted by the Commission (or the staff acting under authority delegated by the Commission). A firm's taking corrective action does not constitute admission by the firm that a substantial product hazard exists.

Space does not permit the staff to give a complete list of the specific model numbers of the products involved in each of these corrective actions. Consumers who believe that they have a product affected by one of these actions should follow the instructions given in this list or contact either the manufacturer or the Commission to determine if their product is one of those affected.

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**Voluntary Corrective Action Plans Under  
Section 15 of the Consumer Product Safety Act and  
Section 15 of the Federal Hazardous Substances Act**

DATE	FIRM AND PRODUCT	ALLEGED HAZARD	REMEDY
00/00	Philips Consumer Electronics Company Atlanta, GA 31146-7300  Philips Magnavox Home Audio Theatre System, Model MX920	Potential Fire Hazard	Philips Magnavox will install a protection circuit at no charge to the consumer.

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Let's make things better.

64 Perimeter Center East  
P. O. Box 467300  
Atlanta, GA 31146

FAX

TO: Richard Stern  
FAX NO: (301) 504-0359  
PHONE: (301) 504-0608  
RE: MX920

FROM: Phillip Riggins  
PAGES: 5  
DATE: 10/6/98  
FAX NO: 770-821-3121

Urgent  For Review  Please Comment  Please Reply  Please Recycle

• Comments

Richard:

Please send the units that were sent the CPSC to:

Mr. Jim Arwood  
Three Star Packaging  
407 North Irish Street  
Greeneville, TN 37743

They will be expecting them for repair. Enclosed are the articles we discussed.

Phillip

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Today's news from  
Bacon's ExpressClips--

# NATIONAL DIGEST

3761-7

## Baltimore Sun

Baltimore, MD Circ.: (m) 337,292 (S) 488,562

board of the Washington Convention Center Authority.

NET 3 1998  
3761-7  
11

### In Washington

## Food safety guidelines debated by consumer, industry groups

To cut food poisoning, the Clinton administration must spend more money policing fruits, vegetables and seafood and create a new agency dedicated to food safety, consumer groups told a White House panel yesterday.

But industry groups urged a new presidential council to take a more conservative approach to fighting tainted food, using new technology, consumer education and research.

## Pentagon says it needs \$50 million for Viagra

The Pentagon estimates it will spend around \$50 million in the coming year to provide the impotence drug Viagra for American troops and military retirees.

The cost — roughly the price of two new Marine Corps Harrier jets or 45 Tomahawk cruise missiles — is among unexpected military expenses that Pentagon officials recently told Congress have come up since they made their original 1998 budget requests.

The military is buying Viagra for men diagnosed with erectile dysfunction. No one is allowed more than six pills a month, and according to a Pentagon policy, "lost," "stolen," or "destroyed" tablets will not be replaced.

## Construction begins in D.C. on convention center

The District of Columbia broke ground yesterday on a \$685 million downtown convention center as part of the economic revival of the nation's capital.

In three years, the 2.3 million-square-foot facility at Mount Vernon Square, on L Street between 8th and 9th streets, will be a beautiful addition to one of Washington's oldest neighborhoods, said Terence Golden, chairman of the

## Bath & Body Works pacifiers are being recalled

Some 13,000 pacifiers sold nationwide at Bath & Body Works between June and September are being recalled.

The Consumer Product Safety Commission said yesterday that the nipple of the pacifier, made by Atico International USA Inc. of Fort Lauderdale, Fla., can separate from the base, posing a choking hazard. No injuries have been reported.

## Home audio theater systems are being recalled

Some 25,500 Philips Magnavox home audio theater systems are being recalled because their speaker voice coils can overheat and cause fires, the Consumer Product Safety Commission said yesterday.

The recall covers Model MCR520 Philips Magnavox home audio theater systems produced by Philips Consumer Electronics Co. of Atlanta. Owners of the systems should stop using them and contact Philips at 877-229-3251.

## Inflatable door seal ordered removed from 20,000 planes

The Federal Aviation Administration ordered the immediate disconnection or removal of an inflatable door seal on about 20,000 light aircraft because of the risk of smoke and fire in the cabin.

The FAA said the electric air pump that inflates the door seal made by Bob Fields Aerocessorics in Santa Paula, Calif., can run continuously and overheat if the seal is punctured.

### In the Nation

## Washington takes settlement in tobacco industry trial

SEATTLE — Washington state reached an out-of-court settlement yesterday with a tobacco company and a related organization in its trial against the tobacco industry, which is being sued for billions of dollars in damages.

King County Superior Court Judge George Finkis approved the settlement with United States Tobacco Co., which markets Skoal and other smokeless tobacco

products, and the Smokeless Tobacco Council, a trade group.

The trial is expected to continue Monday against the remaining nine defendants.

## 155,000 gallons of crude oil spills in Gulf of Mexico

NEW ORLEANS — About 155,000 gallons of crude oil spilled from a broken underwater pipeline in the Gulf of Mexico, creating a slick that spread for 25 miles, BP Exploration said yesterday.

The slick was discovered Thursday morning about 28 miles southwest of the mouth of the Mississippi River. It came from a leak in a pipeline that connects to a BP oil platform about 100 miles southeast of New Orleans, company spokesman Steve Peacock said.

## Minister fatally shoots self during sermon to youths

JACKSONVILLE, Fla. — The youth minister wanted to drive home the message to the youth of his church: Sin was like playing Russian roulette.

At the end of his sermon before 250 youngsters and their parents, Melvin Burns put a .357-caliber pistol to his head and pulled the trigger. A blank inside flew apart and shattered his skull. He collapsed at the pulpit Sept. 24 and died Thursday at University Medical Center. He was 35.

From wire reports

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Today's news from  
Bacon's ExpressClips—

3761X

## Fort Worth Star-Telegram

Circ.: (d) 235,724 (S) 350,596

3761 X  
10 03 98

# National DIGEST

SATURDAY, OCTOBER 3, 1998

**Supermarket chain accused of discrimination**  
COLUMBUS, Ohio — The nation's largest supermarket chain is being accused of discrimination for refusing to let a boy with the AIDS virus use a supervised play area in the store.

Georgio Lee Chacon was not allowed into PePe's Playhouse at a Kroger Co. store while his guardian, Barb Cordle, shopped. Cordle objected and has support from the Ohio Civil Rights Commission and a group of AIDS doctors.

"We fear that other corporations may look to this example and say, perhaps, that a child who is playing in our playground poses a direct threat, or a child who is enrolled in our day-care center presents a danger to other children," said Jose Zuniga, deputy director of the Chicago-based International Association of Physicians in AIDS Care. "This could very well snowball."

### Egg yolks may contain beneficial substances

In an effort to cut down on cholesterol, some people remove the egg yolk before making an omelet. However, doing so also removes substances known as carotenoids, which are believed to play an important role in warding off a potentially blinding eye condition, researchers report.

In fact, in an analysis of more than 30 foods, investigators

found that egg yolks have the highest amounts of lutein and zeaxanthin, two carotenoids that have been shown to help prevent age-related macular degeneration.

Known as antioxidants, these substances are believed to protect cells from the damaging effects of so-called oxygen free radicals that the body produces during normal metabolism. Besides promoting heart disease, cancer and aging, oxygen free radicals are believed to contribute to AMD, which is a leading cause of blindness among older adults.

Other foods rich in lutein and zeaxanthin include corn, kiwi fruit, red seedless grapes, zucchini and pumpkin, according to the study's author, Dr. Frederik van Kuijk, of the University of Texas Medical Branch in Galveston.

### 25,500 Philips Magnavox systems being recalled

WASHINGTON — Some 25,500 Philips Magnavox home audio theater systems are being recalled for repairs, the Consumer Product Safety Commission said yesterday.

The speaker voice coil can overheat, potentially leading to a fire, the commission said. It has received four reports of fires, but no injuries.

The recall covers Model MX920 Philips Magnavox home audio theater systems produced by Philips Consumer Electronics Co., of Atlanta. The model num-

ber is displayed on the front of the receiver cabinet and on the rear label in the upper left corner of the back of the receiver, the commission reported.

Owners of the systems should stop using them and contact Philips at 877-229-2251 for instructions on getting the equipment fixed. They can also write to Philips Consumer Electronics Co., Old Andrew Johnson Highway, P.O. Box 555, Jefferson City, Tenn., 37760.

The systems were sold nationwide from June 1997 to August of this year at such major stores as Kmart, Wal-Mart, Best Buy, Montgomery Ward and Service Merchandise.

### Paper confirms legend of Great Chicago Fire

CHICAGO — According to one of the enduring legends of the Great Chicago Fire of 1871, the mayor learned that the flames were closing in on the city jail and ordered the inmates freed to save their lives.

Now, a great-great-granddaughter of the mayor has donated a slip of paper to the Chicago Historical Society that shows the legend is true.

On the faded piece of police stationery, Mayor Roswell B. Mason's scribble reads: "Release all prisoners from jail at once, keeping them in custody if possible."

Society archivists authenticated the note by comparing it with samples of Mason's handwriting. They say it is significant because it was apparently written in the midst of the catastrophe, which killed about 300 people and left 100,000 homeless.

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**A27A THE WALL STREET JOURNAL MONDAY, OCTOBER 5, 1998**

**PHILIPS ELECTRONICS NV**

### **Philips Magnavox Systems Are Recalled for Repairs**

About 25,500 Philips Magnavox home-audio-theater systems are being recalled for repairs, the U.S. Consumer Product Safety Commission said Friday. The speaker voice coil can overheat, potentially leading to a fire, the commission said. The commission has received four reports of fires, but none involved injury. The recall covers the model MXS20 Philips Magnavox home-audio-theater system made by Philips Consumer Electronics Co., Atlanta, a unit of Philips Electronics NV of the Netherlands. The model number is on the front of the receiver cabinet and on a label at the upper left corner of the receiver's back, the commission said. The systems were sold nationwide from June 1997 to August this year at stores such as Kmart, Wal-Mart, Best Buy, Montgomery Ward and Service Merchandise.

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B6 Sunday, Oct. 4, 1998

The Atlanta Journal-Constitution

**NATION IN BRIEF**

**■ RECALLS**

**Home audio theater systems pose fire risk**

A potential fire hazard is prompting the recall of some 25,500 Philips Magnavox home audio theater systems for repairs, the Consumer Product Safety Commission says. The recall covers Model MK920 Philips Magnavox systems pro-

duced by Philips Consumer Electronics Co. of Atlanta. The model number is on the front of the receiver cabinet and the rear label in the upper left corner of the back of the receiver. Owners should stop using the systems and contact Philips at 877-229-2225.

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Author: <Phillip.Riggins@knox.pcec.philips.com> at INTERNET-MAIL

Date: 9/25/98 9:36 AM

Priority: Normal

TO: Richard L. Stern at CPSC-HQ2

CC: Tom.Hafner@knox.pcec.philips.com at internet-mail,  
Randy.Mitchell@knox.pcec.philips.com at internet-mail,  
Ken.Goins@knox.pcec.philips.com at internet-mail,  
Jose.Garcia@knox.pcec.philips.com at internet-mail

Subject: MX920

Richard:

After re-reading the notice below, I realized that my previous message was in error. The dates indicated are ship dates, not receipt dates, as I am sure you noted. I understand that there have been arrangements to have the first shipment an "air delivery." Let's discuss these implications.

Thanks

Phillip

----- Forwarded by Phillip Riggins/Philips on 09/25/98  
09:23 AM -----

Phillip Riggins  
09/25/98 09:19 AM

To: rstern@cpsc.gov  
cc: Tom Hafner/Philips@Philips, Randy Mitchell/Philips@Philips, Ken  
Goins/Philips@Philips  
Subject:

(Embedded  
image moved (Embedded image moved to file: PIC06355.PCX)  
to file:  
PIC07605.PCX)

Richard:

I found this E-Mail which should give you more information on the anticipated delivery schedule of the printed circuit boards. As I indicated the first ones will likely get here no earlier than October 1 and realistically could be delayed due the vast distance of transportation required. Then, of course, we will need time to redistribute these to our authorized service centers.

Maybe this will assist you in your determination of the proper timing of the press release. Let's discuss any other issues that may require clarification.

Thanks

Phillip

To : Service.Engineering@knox.pcec.philips.com  
Cc : Bob.Pooler@knox.pcec.philips.com, Doug.Ebbs@knox.pcec.philips.com  
Steve Dixon

Date: 24 Sept 98

From: PL Kua

Subject: MX920 rework board shipping schedule

Dear Mr. Briley,

Please be informed that the shipping schedule for the PCB are as listed below:

Date	Amount
1 Oct	400
5 Oct	1000
7 Oct	1000
9 Oct	2000
11 Oct	2000
13 Oct	3600

Best regards,

PL Kua

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Let's make things better.

64 Perimeter Center East  
P. O. Box 467300  
Atlanta, GA 31146

FAX

TO: John Istvan (Loves) FROM: Phillip Riggins  
 FAX NO: (336) 658-7239 PAGES: 5  
 PHONE: (336) 658-3889 DATE: 9/23/98  
 RE: MX920 FAX NO: 770-921-3121

Urgent  For Review  Please Comment  Please Reply  Please Recycle

• Comments

John:

Here is the press release that has been agreed to between Philips and the CPSC along with the in-store poster. Let's discuss your ability to get customer information as soon as possible.

Thanks  
Phillip

\* bcc: Richard Stern CPSC \*  
(301) 504-0359

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# News from CPSC

## U.S. Consumer Product Safety Commission

Washington, D.C. 20207

Office of Information and Public Affairs

For Immediate Release  
, 1998  
Release # 98-

CPSC Contact:  
(301) 504-0580 Ext.  
Philips Contact: Jill Greenman  
(770) 821-2400

### CPSC, Philips Consumer Electronics Company Announce Recall to Repair Philips Magnavox Home Audio Theatre Systems

WASHINGTON, D.C. - In cooperation with the U.S. Consumer Product Safety Commission (CPSC), Philips Consumer Electronics Company, of Atlanta, Ga., is recalling 25,500 Philips Magnavox home audio theatre systems for free repair. The system's speaker voice coil can overheat and lead to a speaker fire, presenting a fire hazard to consumers.

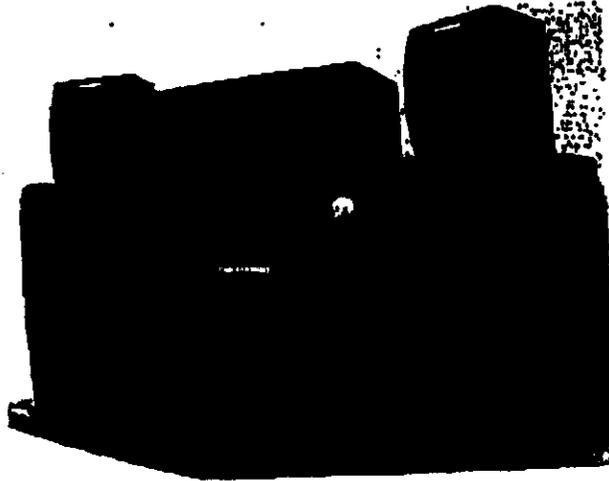
Philips has received four reports of speaker fires, with one resulting in scorched carpeting. No injuries have been reported.

Only Model MX920 Philips Magnavox home audio theatre systems are being recalled. The model number is prominently displayed on both the front of the receiver cabinet and on a rear label in the upper left corner when looking at the back of the receiver. The MX920 system includes a surround sound stereo receiver, a subwoofer, a center channel speaker, two surround-sound speakers and two front (left/right) loudspeakers.

Major national superstores and department stores, such as Best Buy, Kmart, Lowes, Montgomery Ward, Service Merchandise and Walmart, sold the Model MX920 systems nationwide from June of 1997 through August 1998 for about \$350.

Consumers should stop using the systems immediately and call Philips toll-free at (877) 229-2251 between 9 a.m. and 7 p.m. EDT Monday through Saturday for instructions on receiving the free repair. Consumers also may write the company at Philips Consumer Electronics Company, Old Andrew Johnson Highway, P.O. Box 555, Jefferson City, TN 37760.

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The U.S. Consumer Product Safety Commission protects the public from unreasonable risks of injury or death from 15,000 types of consumer products under the agency's jurisdiction. To report a dangerous product or a product-related injury and for information on CPSC's fax-on-demand service, call CPSC's hotline at (800) 638-2772 or CPSC's teletypewriter at (800) 638-8278. To order a press release through fax-on-demand, call (301) 504-0651 from the handset of your fax machine and enter the release number. Consumers can obtain this release and recall information at CPSC's web site at <http://www.cpsc.gov> or via Internet gopher services at <gopher.cpsc.gov>. Consumers can report product hazards to [info@cpsc.gov](mailto:info@cpsc.gov). To establish a link from your web site to this press release on CPSC's web site, create a link to the following address: <http://www.cpsc.gov/cpsc/pub/prerele/prhtml198/98/KX74.html>.

**Editor's Note:** To access a full-color version of the product photo in JPEG (JPG) format, go to this press release on CPSC's web site at: <http://www.cpsc.gov/cpsc/pub/prerele/prhtml198/98/KX74.html>  
To download, place the cursor on the image, click and hold the mouse button (right mouse button for PC users), and use the "save as" menu to save the image in the desired location.

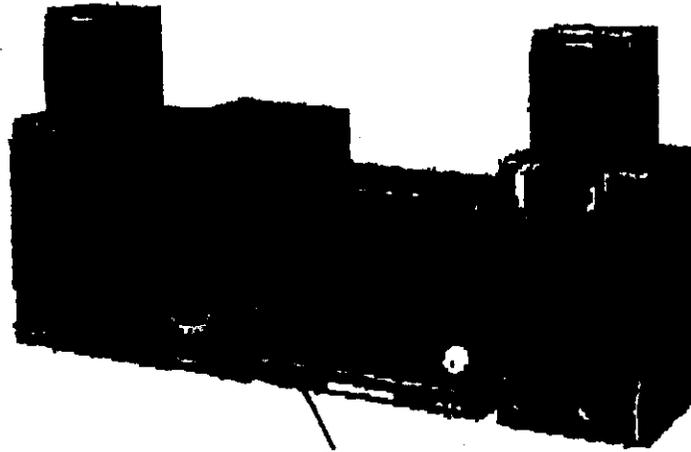
**Receive Press Releases by Email:** To subscribe to this convenient service, send an email containing your full name, position, organization, mailing address, email address, phone number and fax number to: [kdulic@cpsc.gov](mailto:kdulic@cpsc.gov).

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# Safety Recall Notice

For owners of the Philips Magnavox Model  
MX920AHT Home Theatre System

Philips Consumer Electronics Company is voluntarily recalling all MX920AHT Home Theatre Systems. This model may contain components that can overheat and cause a speaker fire. The MX920AHT was sold from June through August of 1990, and consists of a MX920PRO receiver, five loudspeakers and a subwoofer.



model number

If you own a Philips Magnavox model MX920AHT, stop using it immediately and call:

# 1-877-229-2251

Or write to:  
Philips Consumer Electronics Company  
Old Andrew Johnson Highway  
P.O. Box 555  
Jefferson City, TN 37760

*Retention Date:*

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Author: <Randy.Mitchell@knock.pcec.philips.com> at INTERNET-MAIL  
Date: 9/22/98 3:25 PM  
Priority: Normal  
TO: Richard L. Stern at CPSC-HQ2  
Subject: MX-920 Rework Board...APE0278-001 URGENT!!!!

fyi

----- Forwarded by Randy Mitchell/Philips on 09/22/98  
03:21 PM -----

(Embedded image moved to file: PIC23942.PCX)  
Jose Garcia  
09/22/98 02:42 PM  
to file: (Embedded image moved to file: PIC23942.PCX)  
PIC12138.PCX)

To: Tangimb@pd.jaring.my  
cc: Randy Mitchell/Philips@Philips, Ken Goins/Philips@Philips,  
BRILEY#usgvltao@gvlmain.pcec.philips.com,  
ARWOOD#usgvltao@gvlmain.pcec.philips.com, Bob Pooler/Philips@Philips,  
Doug Ebbs/Philips@Philips, Cindy Nemeth/Philips@Philips, Phillip  
Riggins/Philips@Philips, Andy Mintz/Philips@Philips  
Subject: MX-920 Rework Board...APE0278-001 URGENT!!!!

I was given your name by Steve Dixon in the US. I am the General Manager for the Philips Service Organization. Philips will go public with the MX-920 recall in the US today or tomorrow. Steve has told me that your organization has not committed to supplying the boards (APE0278-001) very soon. Steve had originally told us we would have boards by this Friday.

It is very important for you to get this message to the levels of management required to complete this request immediately. We expect a minimum of 10,000 customers to respond to the recall notice. I need this many boards made to modify customer units. I don't want to wait for all 10,000 boards to be completed. Please make the boards and begin to ship to:

Doyle Briley  
401 East Old Andrew Johnson Highway  
P. O. Box 555  
Jefferson City, TN. USA 37760

You can contact me by phone in the USA:  
(423) 475-0426 Work  
(423) 671-9639 Home

Doyle's number is (423)475-0129

Looking forward to your immediate response, Jose

For anyone copied who wishes to contact Ms. Tan, her number is  
60-4-441-1336 ext 103  
Her fax number is 60-4-441-1258

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