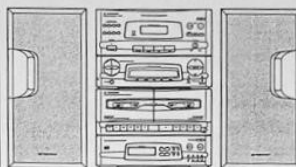


Service Manual



ORDER NO.
ARZ2821

COMPACT HI-FI SYSTEM

X-P30

STEREO RECEIVER

SX-P30

CASSETTE DECK MULTI CD

PDC-P30C

SPEAKER SYSTEM

S-P30

- X-P30 is a combination of the following components.
STEREO RECEIVER: SX-P30
CASSETTE DECK MULTI CD: PDC-P30C
SPEAKER SYSTEM: S-P30
- PDC-P30C does not function properly when independent; to avoid malfunctions, be sure to connect it to SX-P30, otherwise damage may result.

CIRCUIT DIAGRAMS &
PATTERN LAYOUTS
WITH MICROFICHE

(MICROFICHE PORTION LOCATED INSIDE BACK COVER)

PIONEER ELECTRONIC CORPORATION 4-1, Meguro 1-Chome, Meguro-ku, Tokyo 153, Japan
PIONEER ELECTRONICS SERVICE INC. P.O. Box 1760, Long Beach, California 90801 U.S.A.
PIONEER ELECTRONICS OF CANADA, INC. 300 Allstate Parkway Markham, Ontario L3R 0P2 Canada
PIONEER ELECTRONIC [EUROPE] N.V. Haven 1087 Keetberglaan 1, 9120 Melsele, Belgium
PIONEER ELECTRONICS AUSTRALIA PTY. LTD. 178-184 Boundary Road, Braeside, Victoria 3195, Australia TEL: [03] 580-9911
© **PIONEER ELECTRONIC CORPORATION 1993**

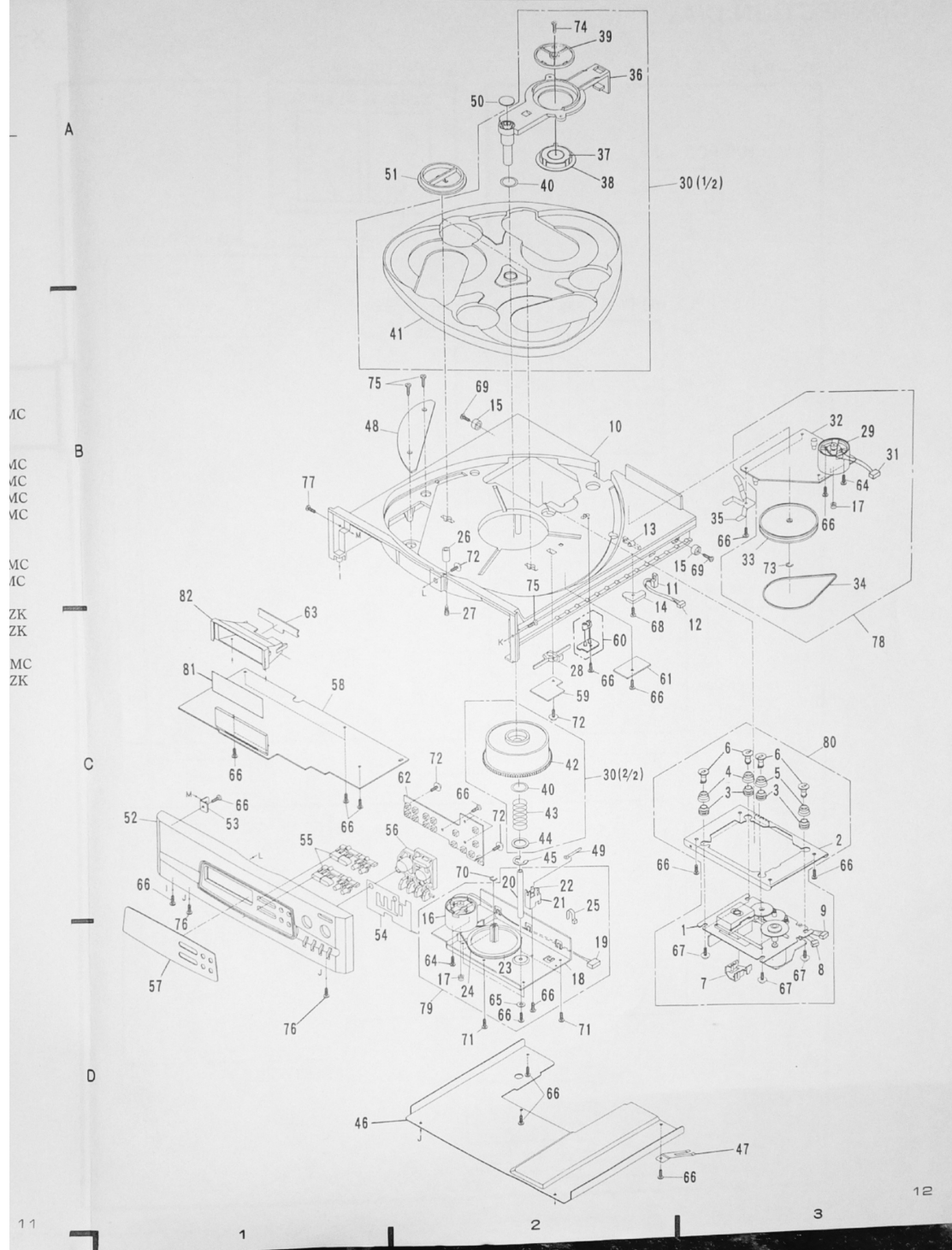
DFN AUG. 1993 Printed in Japan

3.3.3 CD Section

Parts List

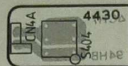
Mark	No.	Description	Parts No.	Mark	No.	Description	Parts No.
	1	CD MECHANISM ASSY	AZN7052		51	TRANSIT LOCK	AZN7010
	2	CD PLATE	AZN7047		52	CD PANEL	AZN7034
	3	CDK90 CUSHION	AZN7048		53	PANEL BRACKET	AZN7042
	4	SPRING (BLACK COLOR)	AZB7005		54	SHIELD PAPER	AZN7088
	5	SPRING (WHITE COLOR)	AZB7004		55	CD FUNC. KNOB (B)	AZA7017
	6	CDK90 HOLDER	AZN7049		56	CD FUNC. KNOB (A)	AZA7018
	7	WIRE CONTROL HOLDER	AZN7050		57	CD DISPLAY WINDOW	AZA7016
	8	8P CON. ASSY 350M/M	AZD7005		58	CD DECODER PCB ASSY	AZW7012
	9	5P CON. ASSY 350M/M	AZD7006		59	CD SUB I PCB ASSY	AZW7029
	10	CHANGER BASE	AZN7035		60	CD SENSOR PCB ASSY	AZW7015
	11	LEAF SW	AZS7001		61	CD SUB PCB ASSY	AZW7016
	12	3P CON. ASSY 100M/M	AZD7001		62	CD CONTROL PCB ASSY	AZW7013
	13	SHAFT (LEVER SW)	AZN7039		63	CD LAMP PCB ASSY	AZW7014
	14	LEVER PLATE	AZN7038		64	SCREW	BBZ26P030FMC
	15	PULLEY (SIDE)	AZN7030		65	W-FLAT-A-11 ZN3A	AZB7013
	16	T. T-MOTOR	AZX7003		66	SCREW	BBZ30P080FMC
	17	MOTOR PULLEY	AZN7053		67	SCREW	CBZ30P060FMC
	18	MOUNTING PLATE ASSY	AZW7026		68	SCREW	BBZ30P120FMC
	19	4P CON. ASSY 300/200	AZD7008		69	SCREW	BBZ30P060FMC
	20	CENTER SPINDLE	AZN7056		70	E RING	AZB7007
	21	SW BOX	AZN7058		71	SCREW	PBZ30P100FMC
	22	LEAF SW	AZS7003		72	SCREW	IBZ30P080FMC
	23	WHEEL	AZN7057		73	E RING	AZB7006
	24	BELT 60 × 1.6	AZN7059		74	SCREW	BBZ26P060FZK
	25	NYLON BINDER	AEC-093		75	SCREW	CBZ26P080FZK
	26	SLEEVE	AZN7040		76	SCREW	BBZ26P060FMC
	27	SLEEVE SPRING	AZB7003		77	SCREW	CBZ30P050FZK
	28	GUIDE PLATE	AZN7041		78	DRAWER MOTOR ASSY	AZW7022
	29	DRAWER MOTOR	AZX7002		79	T. T. MOTOR ASSY	AZW7023
	30	TURNTABLE ASSY	AZW7019		80	CD PLAYER ASSY	AZW7024
	31	2P CON. ASSY 200M/M	AZD7007		81	FILTER PLATE	AZK7025
	32	MOTOR MTG. ASSY	AZW7025		82	DISPLAY HOLDER	AZA7023
	33	GEAR WHEEL	AZN7055				
	34	BELT 58 × 1.6	AZN7054				
	35	EARTH PLATE	AZN7043				
	36	ARM ASSY	AZW7028				
	37	MAGNETIC	AZN7062				
	38	MAG. HOLDER	AZN7064				
	39	MAG. COVER	AZN7063				
	40	POLY WASHER	AZB7012				
NSP	41	TURNTABLE					
	42	CAM GEAR	AZN7065				
	43	CLUTCH SPRING	AZB7009				
	44	WASHER	AZB7010				
	45	E RING	AZB7011				
NSP	46	CD PCB COVER					
	47	EARTH PLATE (B)	AZN7089				
	48	MAIN BASE COVER	AZN7009				
	49	SW PIN	AZN7008				
	50	SCREW CAP	AZN7007				

X-P30, SX-P30, PDC-P30C, S-P30

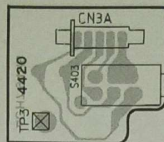


A

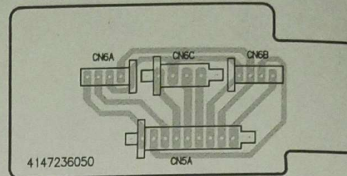
HI-SPEED PCB assy



R/P SW PCB assy

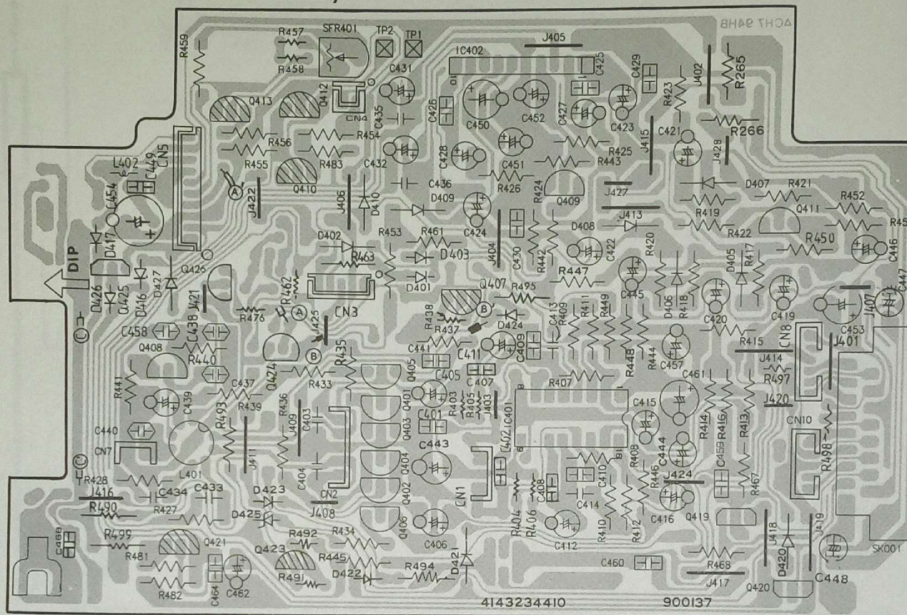


CONNECTOR PCB assy



B

CASS. PCB assy



C

SFR401
Q425 Q408 Q413 Q410 Q412 IC402 Q409 Q411
Q421 Q426 Q424 Q407 IC401 Q419 Q420
Q423 Q401-Q406 Q403 Q404 Q405 Q406 Q407 Q408 Q409 Q410 Q411 Q412 Q413 Q414 Q415 Q416 Q417 Q418 Q419 Q420 Q421 Q422 Q423 Q424 Q425 Q426 Q427 Q428 Q429 Q430 Q431 Q432 Q433 Q434 Q435 Q436 Q437 Q438 Q439 Q440 Q441 Q442 Q443 Q444 Q445 Q446 Q447 Q448 Q449 Q450 Q451 Q452 Q453 Q454 Q455 Q456 Q457 Q458 Q459 Q460 Q461 Q462 Q463 Q464 Q465 Q466 Q467 Q468 Q469 Q470 Q471 Q472 Q473 Q474 Q475 Q476 Q477 Q478 Q479 Q480 Q481 Q482 Q483 Q484 Q485 Q486 Q487 Q488 Q489 Q490 Q491 Q492 Q493 Q494 Q495 Q496 Q497 Q498 Q499 Q500 Q501 Q502 Q503 Q504 Q505 Q506 Q507 Q508 Q509 Q510 Q511 Q512 Q513 Q514 Q515 Q516 Q517 Q518 Q519 Q520 Q521 Q522 Q523 Q524 Q525 Q526 Q527 Q528 Q529 Q530 Q531 Q532 Q533 Q534 Q535 Q536 Q537 Q538 Q539 Q540 Q541 Q542 Q543 Q544 Q545 Q546 Q547 Q548 Q549 Q550 Q551 Q552 Q553 Q554 Q555 Q556 Q557 Q558 Q559 Q560 Q561 Q562 Q563 Q564 Q565 Q566 Q567 Q568 Q569 Q570 Q571 Q572 Q573 Q574 Q575 Q576 Q577 Q578 Q579 Q580 Q581 Q582 Q583 Q584 Q585 Q586 Q587 Q588 Q589 Q590 Q591 Q592 Q593 Q594 Q595 Q596 Q597 Q598 Q599 Q600 Q601 Q602 Q603 Q604 Q605 Q606 Q607 Q608 Q609 Q610 Q611 Q612 Q613 Q614 Q615 Q616 Q617 Q618 Q619 Q620 Q621 Q622 Q623 Q624 Q625 Q626 Q627 Q628 Q629 Q630 Q631 Q632 Q633 Q634 Q635 Q636 Q637 Q638 Q639 Q640 Q641 Q642 Q643 Q644 Q645 Q646 Q647 Q648 Q649 Q650 Q651 Q652 Q653 Q654 Q655 Q656 Q657 Q658 Q659 Q660 Q661 Q662 Q663 Q664 Q665 Q666 Q667 Q668 Q669 Q670 Q671 Q672 Q673 Q674 Q675 Q676 Q677 Q678 Q679 Q680 Q681 Q682 Q683 Q684 Q685 Q686 Q687 Q688 Q689 Q690 Q691 Q692 Q693 Q694 Q695 Q696 Q697 Q698 Q699 Q700 Q701 Q702 Q703 Q704 Q705 Q706 Q707 Q708 Q709 Q710 Q711 Q712 Q713 Q714 Q715 Q716 Q717 Q718 Q719 Q720 Q721 Q722 Q723 Q724 Q725 Q726 Q727 Q728 Q729 Q730 Q731 Q732 Q733 Q734 Q735 Q736 Q737 Q738 Q739 Q740 Q741 Q742 Q743 Q744 Q745 Q746 Q747 Q748 Q749 Q750 Q751 Q752 Q753 Q754 Q755 Q756 Q757 Q758 Q759 Q760 Q761 Q762 Q763 Q764 Q765 Q766 Q767 Q768 Q769 Q770 Q771 Q772 Q773 Q774 Q775 Q776 Q777 Q778 Q779 Q780 Q781 Q782 Q783 Q784 Q785 Q786 Q787 Q788 Q789 Q790 Q791 Q792 Q793 Q794 Q795 Q796 Q797 Q798 Q799 Q800 Q801 Q802 Q803 Q804 Q805 Q806 Q807 Q808 Q809 Q810 Q811 Q812 Q813 Q814 Q815 Q816 Q817 Q818 Q819 Q820 Q821 Q822 Q823 Q824 Q825 Q826 Q827 Q828 Q829 Q830 Q831 Q832 Q833 Q834 Q835 Q836 Q837 Q838 Q839 Q840 Q841 Q842 Q843 Q844 Q845 Q846 Q847 Q848 Q849 Q850 Q851 Q852 Q853 Q854 Q855 Q856 Q857 Q858 Q859 Q860 Q861 Q862 Q863 Q864 Q865 Q866 Q867 Q868 Q869 Q870 Q871 Q872 Q873 Q874 Q875 Q876 Q877 Q878 Q879 Q880 Q881 Q882 Q883 Q884 Q885 Q886 Q887 Q888 Q889 Q890 Q891 Q892 Q893 Q894 Q895 Q896 Q897 Q898 Q899 Q900 Q901 Q902 Q903 Q904 Q905 Q906 Q907 Q908 Q909 Q910 Q911 Q912 Q913 Q914 Q915 Q916 Q917 Q918 Q919 Q920 Q921 Q922 Q923 Q924 Q925 Q926 Q927 Q928 Q929 Q930 Q931 Q932 Q933 Q934 Q935 Q936 Q937 Q938 Q939 Q940 Q941 Q942 Q943 Q944 Q945 Q946 Q947 Q948 Q949 Q950 Q951 Q952 Q953 Q954 Q955 Q956 Q957 Q958 Q959 Q960 Q961 Q962 Q963 Q964 Q965 Q966 Q967 Q968 Q969 Q970 Q971 Q972 Q973 Q974 Q975 Q976 Q977 Q978 Q979 Q980 Q981 Q982 Q983 Q984 Q985 Q986 Q987 Q988 Q989 Q990 Q991 Q992 Q993 Q994 Q995 Q996 Q997 Q998 Q999 Q1000

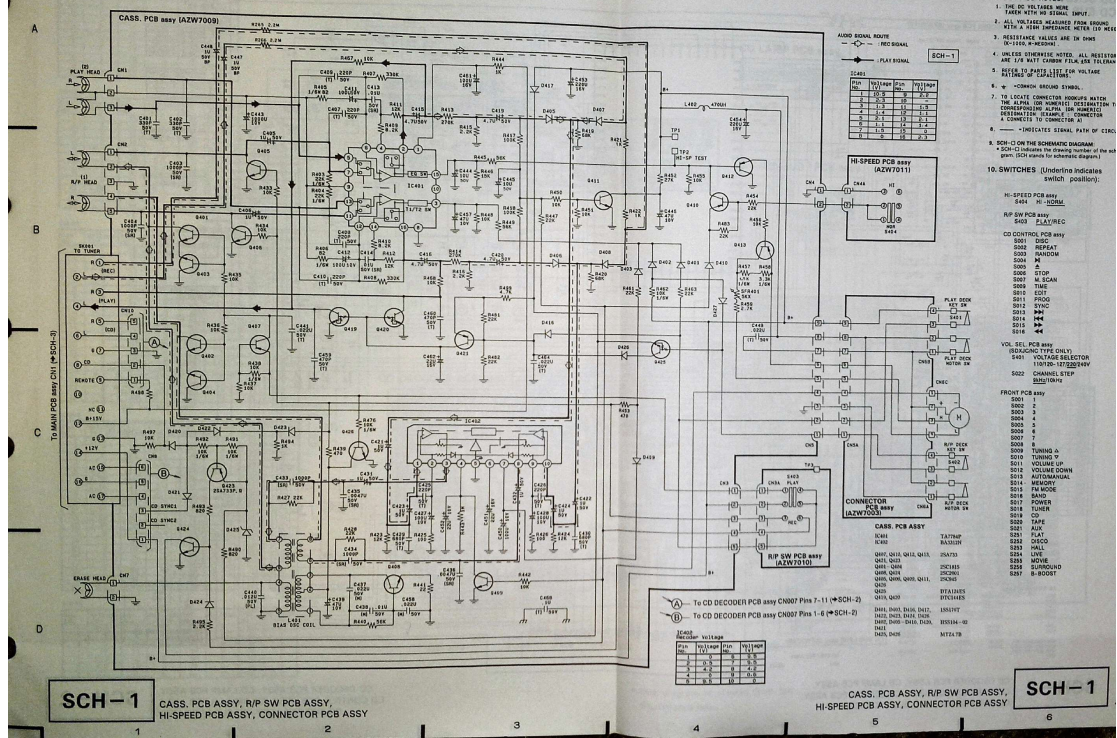
• This diagram is viewed from the mounted parts side.

Note: The parts which have been mounted on the PCB can be replaced with those shown with the corresponding wiring symbols listed in the following table.

PCB Pattern Diagram Indication	Corresponding Part Symbol	Part Name
Q504		Transistor
Q215		FET
D203		Diode
R237		Resistor
C513		Capacitor (Polarized)
C518		Capacitor (Non-Polarized)

Others

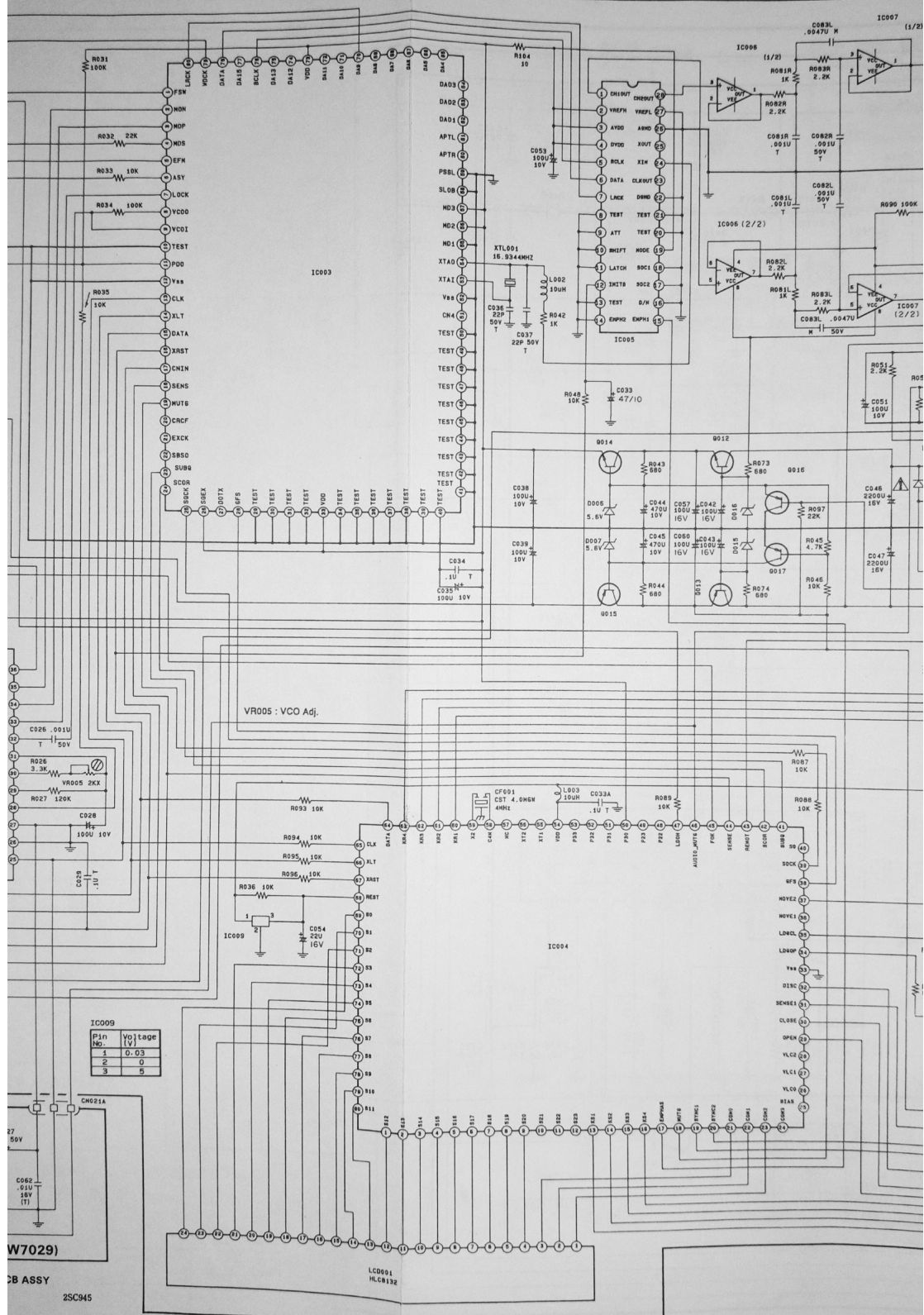
PCB Pattern Diagram Indication	Part Name
IC	IC
S	Switch
L	Coil
CF	Filter
VR or SFR	Variable Resistor or Semi-Fixed Resistor

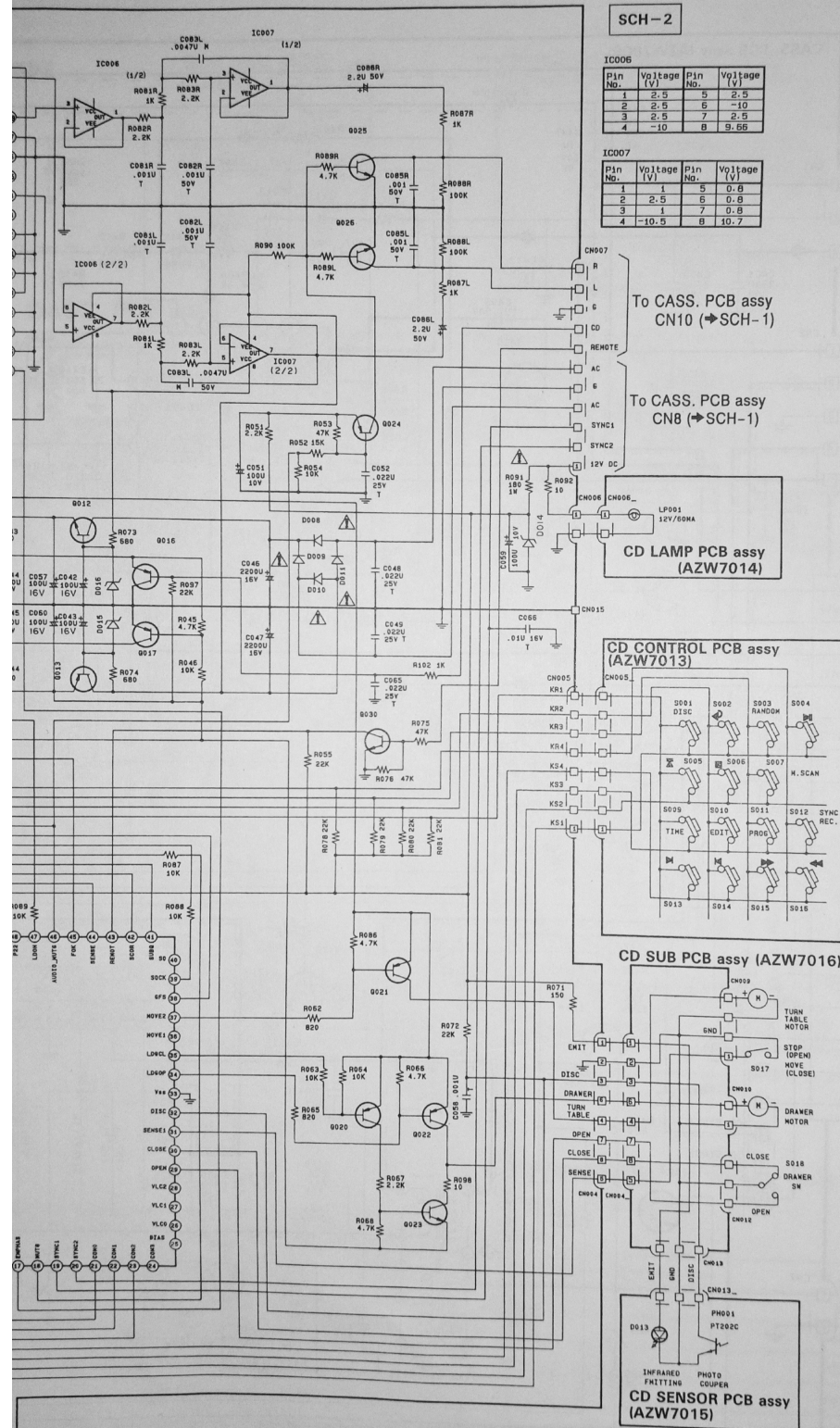


5.2 CD DECODER PCB ASSY, CD LAMP PCB ASSY, CD CONTROL PCB / CD SENSOR PCB ASSY, CD SUB PCB ASSY AND CD SUB I PCB ASSY



CONTROL PCB ASSY,





A

B

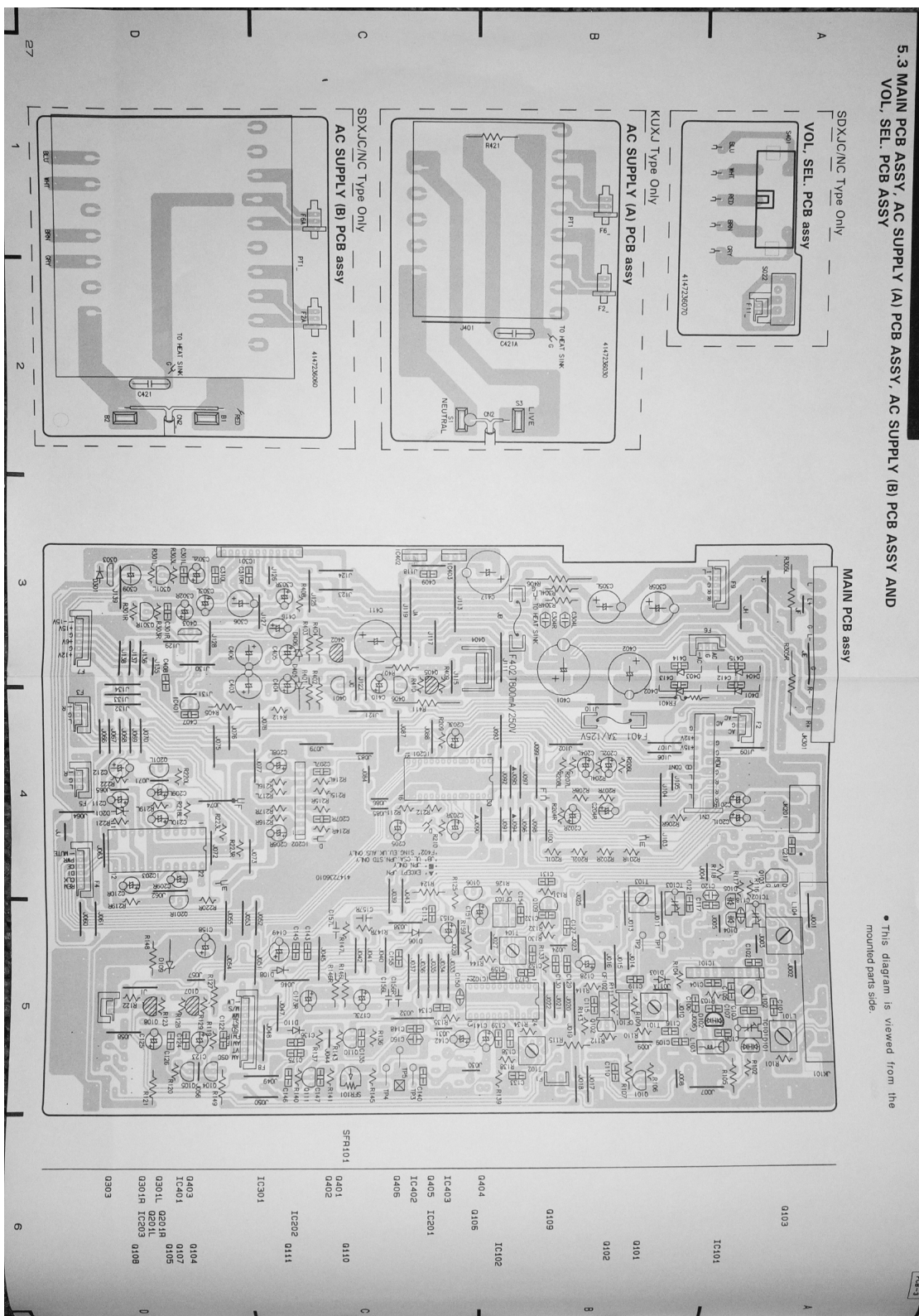
C

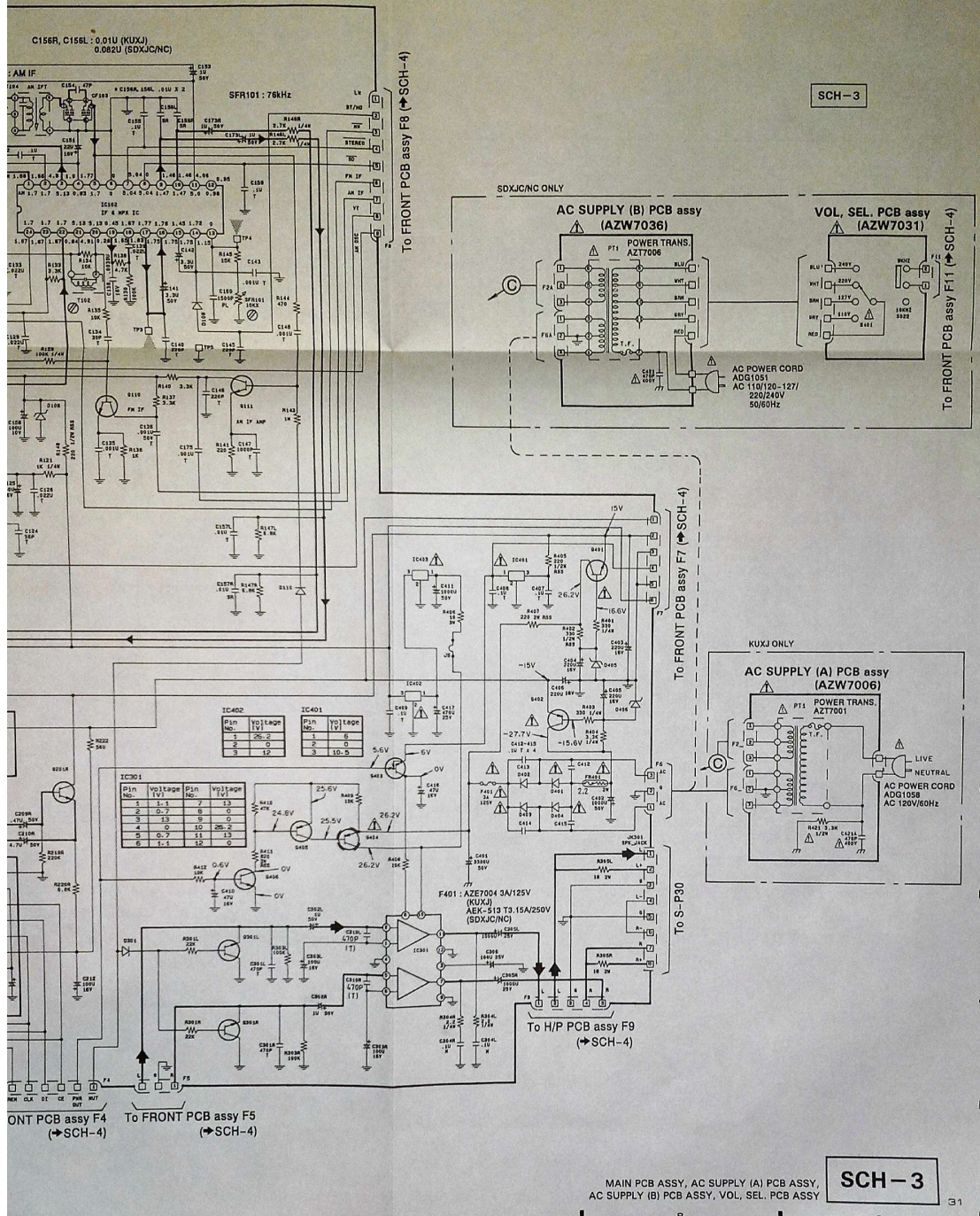
D

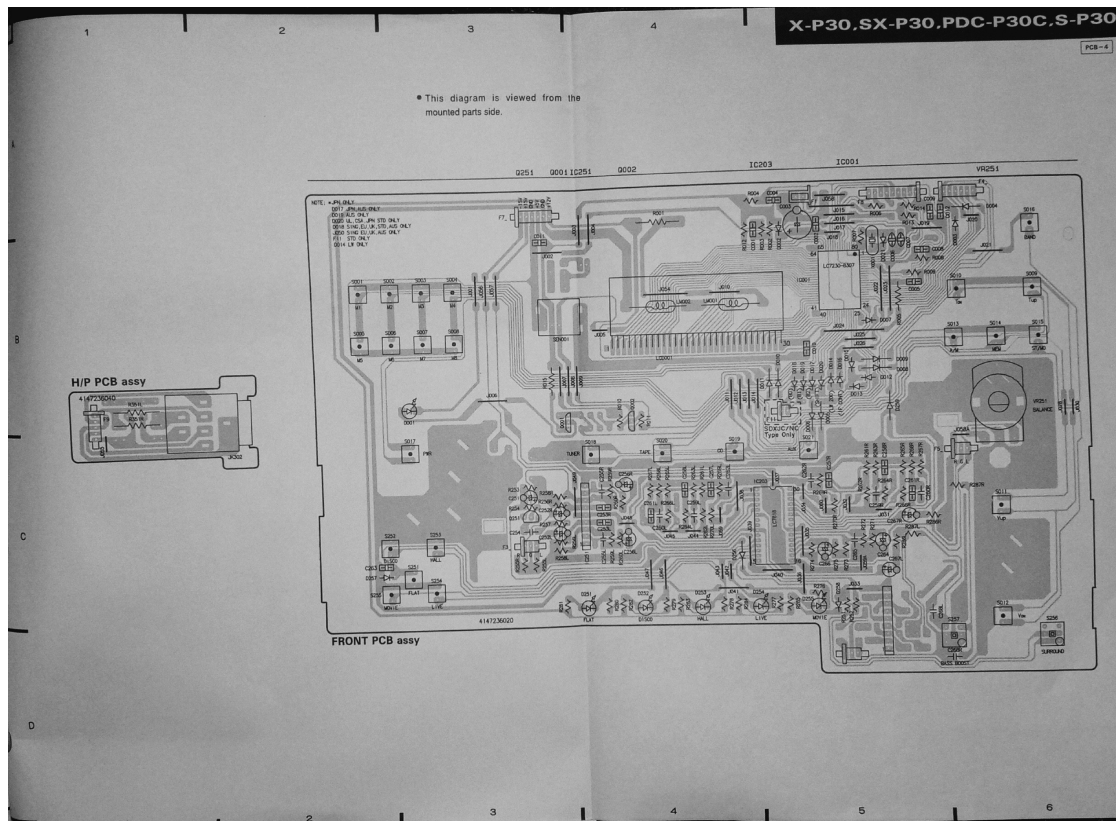
11
CD DECODER PCB ASSY, CD LAMP PCB ASSY,
CD CONTROL PCB ASSY, CD SENSOR PCB ASSY,
CD SUB PCB ASSY, CD SUB I PCB ASSY

SCH-2

5.3 MAIN PCB ASSY, AC SUPPLY (A) PCB ASSY, AC SUPPLY (B) PCB ASSY AND VOL. SEL. PCB ASSY







5.4 FRONT PCB ASSY AND H/P PCB ASSY

