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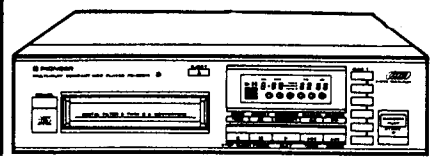
The future of sound and vision.

Service Manual



ORDER NO.
ARP1665

MULTI-PLAY COMPACT DISC PLAYER

PD-Z82M

MODEL PD-Z82M HAS FOUR VERSIONS :

Type	Power requirement	Export destination
HEM	AC 220V, 240V (switchable)*	European continent
HB	AC 220V, 240V (switchable)*	United Kingdom
SD	AC 110V, 120V - 127V, 220V, 240V (switchable)	Kingdom of Saudi Arabia and general market
HP	AC 220V, 240V (switchable)*	Australia
KU	AC 120V only	U.S.A.

* Change the connection wire from Power switch board assembly to Transformer board assembly.

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NOTES:

- *Parts without part number cannot be supplied.*
- *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*
- *Parts marked by "◉" are not always kept in stock. Their delivery time may be longer than usual or they may be unavailable.*

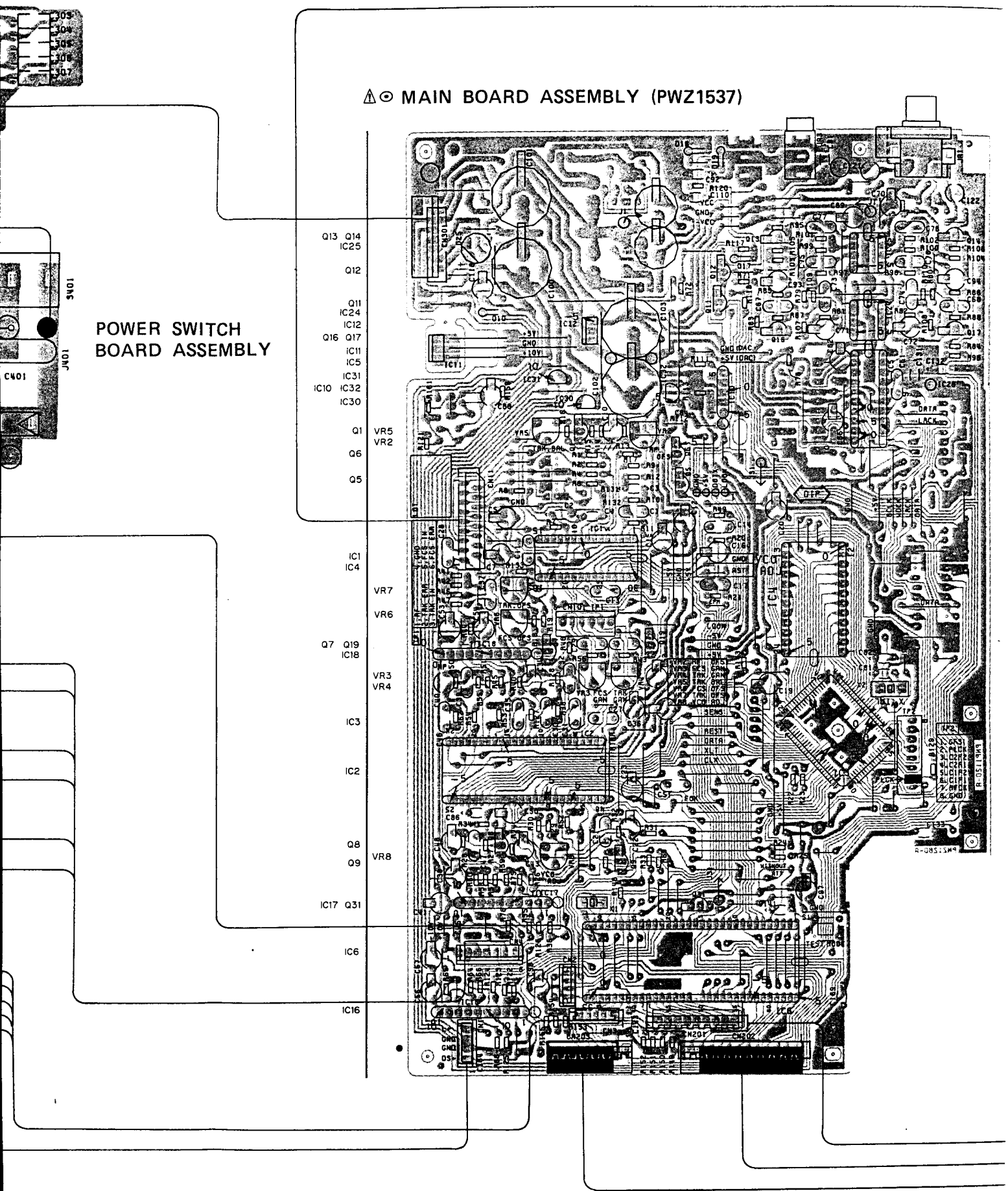
Parts List of Exterior

Mark	No.	Part No.	Description
⚠ ⊙	1	PWZ1537	Main board assembly
⊙	2	PWZ1542	Function board assembly
⚠	3	CM-22B	Strain relief
⚠	4	PDG1008	AC power cord
	5	PTT1069	Power transformer (AC220/240V)
	6	PXA1201	Leg assembly
	7	PAM1262	Window
	8	PAM1263	Decoration plate
	9	PBH1022	Door spring
	10	PNW1497	Function panel
	11	PAC1343	Power button
	12	PAC1344	Eject button
	13	PAC1345	Function button
	14	PAC1346	Disc button
	15	PNY-528	Power SW joint
	16	PYY1087	Bonnet
	17	PYY1092	Door assembly
	18	BBZ30P080FZK	Screw
	19	BBZ40P060FMC	Screw
	20	IBZ30P060FCC	Screw
	21	IPZ30P060FMC	Screw
	22	PCZ30P050FZK	Screw
	23	PEC-107	Binder
	24	PMZ30P060FMC	Screw
	25	PPZ30P100FMC	Screw
	26	BBZ30P080FCC	Screw

Mark	No.	Part No.	Description
	101		Power switch board assembly
	102		Transformer board assembly
	103		Base
	104		Rear panel
	105		Angle
	106		Switch angle
	107		Front angle (A)
	108		Angle (P)
	109		Shield plate (M)
	110		P.C.B angle
	111		Cushion
	112		Button sheet
	113		Felt
	114		Multi mechanism assembly
	115		Door name plate
	116		Door

⚠⊙ MAIN BOARD ASSEMBLY (PWZ1537)

POWER SWITCH
BOARD ASSEMBLY



Step No.	Oscilloscope Setting V	Oscilloscope Setting H	Test Points	Adjusting Points	Check items/ Adjustment specifications	Adjustment procedure
10	VCO FREE RUN FREQUENCY ADJUSTMENT					
			TP2 Pin 2	VR8 (VCO.ADJ)	4.275 ±0.025 MHz	• Set to TEST mode. (See page 33.) • Short-circuit between ASY and GND jumper with grating driver, etc. (Fig. 9-1) • Connect frequency counter, which is measurable over 10 MHz, to pin 2 of TP2. • Adjust with VR8.VCO ADJ (VCO adjustment) volume so that the value of frequency counter becomes 4.275±0.025 MHz.
11	METHOD TO CONFIRM S CHARACTER (FOCUS ERROR)					
						• Set to TEST mode. (See page 33.) • Short-circuit between pin 5 FCS. IN (Focus in) of TP1 and GND. • Press TRACK FWD key (▷▷|) and observe the waveform of pin 6 FCS.ERR (Focus error) of TP1 at that time with an oscilloscope.

Pas No.	Réglage de l'oscilloscope V	Réglage de l'oscilloscope H	Points d'essai	Points de réglage	Points de contrôle/ spécifications de réglage	Méthode de réglage
10.	**RÉGLAGE DE LA FRÉQUENCE PROPRE DU VCO**					
			TP2 Broche 2	VR8 (VCO.ADJ)	4.275 ±0.025 MHz	• Régler le mode d'essai (TEST). (Voir page 44) • Court-circuiter entre les ponts ASY et GND au moyen de l'outil de réseau, etc. (Figure 9-1) • Raccorder un fréquencemètre capable de mesurer au-dessus de 10 MHz à la broche 2 de TP2. • Ajuster le potentiomètre VR8 VCO ADJ (réglage du VCO) de façon à ce que la valeur indiquée par le fréquencemètre devienne égale à 4,275±0,025 MHz.
11.	**MÉTHODE DE CONTRÔLE DE LA CARACTÉRISTIQUE S (ERREUR DE FOCALISATION)**					
						• Régler le mode d'essai (TEST). (Voir page 44) • Réaliser un court-circuit entre la broche 5 FCS.IN (entrée de focalisation) de TP1 et la terre GND. • Appuyer sur la touche d'avance de piste (TRACK FWD) (⋈) et observer simultanément la forme d'onde à la broche 6 FCS.ERR (erreur de focalisation) de TP1 au moyen d'un oscilloscope.