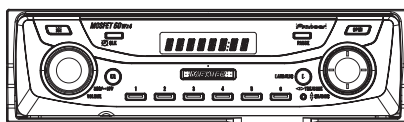


Service Manual



DEH-P9600MP/XN/EW

ORDER NO.
CRT3192

MULTI-CD CONTROL DSP HIGH POWER CD/MP3/WMA PLAYER WITH RDS TUNER

DEH-P9600MP /XN/EW

This service manual should be used together with the following manual(s):

Model No.	Order No.	Mech.Module	Remarks
CX-3098	CRT3179	S10WMAcode2	CD Mech. Module:Circuit Description, Mech. Description, Disassembly



For details, refer to "Important symbols for good services".

1. SPECIFICATIONS

General

Power source	14.4 V DC (10.8 – 15.1 V allowable)
Grounding system	Negative type
Max. current consumption	10.0 A
Backup current	5 mA or less
Dimensions (W × H × D):	
DIN	
Chassis	178 × 50 × 157 mm
Nose	188 × 58 × 28 mm
D	
Chassis	178 × 50 × 162 mm
Nose	170 × 44 × 23 mm
Weight	1.7 kg

Audio/DSP

Maximum power output	50 W × 4
Continuous power output ...	27 W × 4 (DIN 45324, +B=14.4 V)
Load impedance	4 Ω (4 – 8 Ω allowable)
Preout max output level/output impedance	6.5 V/100Ω
Loudness contour	+10 dB (100 Hz), +6.5 dB (10 kHz) (volume: –30 dB)
Equalizer (13-Band Graphic Equalizer):	
Frequency	50/80/125/200/315/500/800 Hz
Equalization range	±12 dB
Auto equalizer (just for standard mode):	
Frequency	50/80/125/200/315/500/800 Hz
Equalization range	+6 – –12 dB
Network (standard mode):	
HPF (Front/rear):	
Frequency	50/63/80/100/125/160/200 Hz
Slope	0 (Pass)/–6/–12 dB/oct
Gain	0 – –24 dB/Mute
Subwoofer:	
Frequency	50/63/80/100/125/160/200 Hz
Slope	–6/–12/–18 dB/oct
Gain	+6 – –24 dB
Phase	Normal/Reverse
Network (3-way network mode):	
High HPF:	
Frequency	1.6/2/2.5/3.15/4/5/6.3/8/10/12.5/16 kHz

Slope	–6/–12/–18/–24 dB/oct
Gain	0 – –24 dB/Mute
Phase	Normal/Reverse
Mid HPF/LPF:	
Frequency (LPF) ...	1.6/2/2.5/3.15/4/5/6.3/8/10/12.5/16 kHz
Frequency (HPF)	31.5/40/50/63/80/100/125/160/200 Hz
Slope	0 (Pass)/–6/–12/–18/–24 dB/oct
Gain	0 – –24 dB/Mute
Phase	Normal/Reverse
Low LPF:	
Frequency	31.5/40/50/63/80/100/125/160/200 Hz
Slope	–12/–18/–24/–30/–36 dB/oct
Gain	+6 – –24 dB/Mute
Phase	Normal/Reverse

CD player

System	Compact disc audio system
Usable discs	Compact disc
Signal format:	
Sampling frequency	44.1 kHz
Number of quantization bits	16; linear
Frequency characteristics ...	5 – 20,000 Hz (±1 dB)
Signal-to-noise ratio	99 dB (1 kHz) (IEC-A network)
Dynamic range	95 dB (1 kHz)
Number of channels	2 (stereo)
MP3 decoding format	MPEG-1 & 2 Audio Layer 3
WMA decoding format	Ver. 7, 7.1, 8, 9 (2ch audio)
WAV signal format	Linear PCM & MS ADPCM

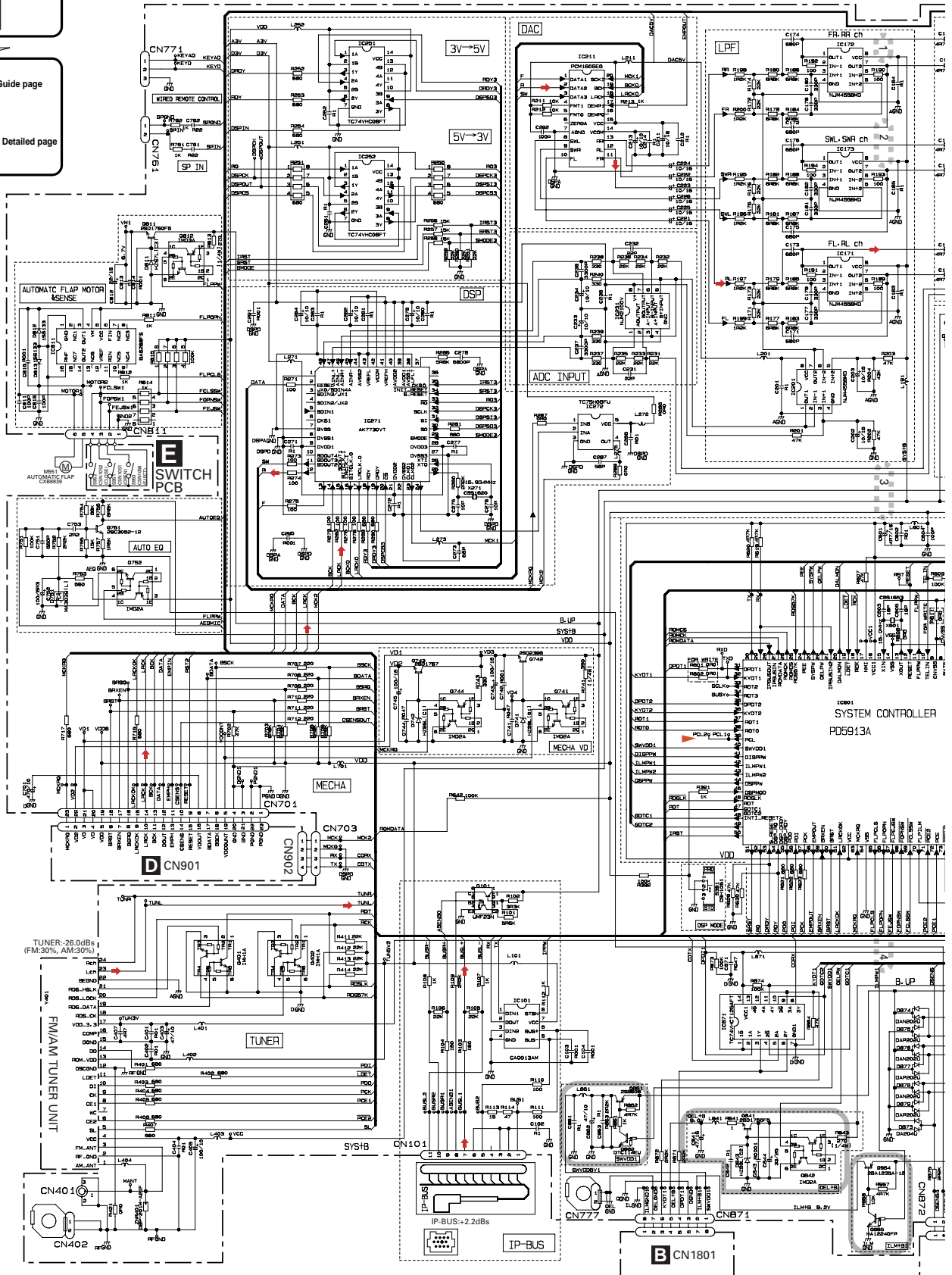
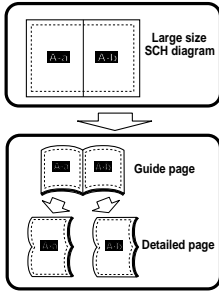
FM tuner

Frequency range	87.5 – 108.0 MHz
Usable sensitivity	8 dBf (0.7 μV/75 Ω, mono, S/N: 30 dB)
50 dB quieting sensitivity	10 dBf (0.9 μV/75 Ω, mono)
Signal-to-noise ratio	75 dB (IEC-A network)
Distortion	0.3 % (at 65 dBf, 1 kHz, stereo)
	0.1 % (at 65 dBf, 1 kHz, mono)
Frequency response	30 – 15,000 Hz (±3 dB)
Stereo separation	45 dB (at 65 dBf, 1 kHz)
Selectivity	80 dB (±200 kHz)

3.2 OVERALL CONNECTION DIAGRAM(GUIDE PAGE)

Note: When ordering service parts, be sure to refer to "EXPLODED VIEWS AND PARTS LIST" or "ELECTRICAL PARTS LIST".

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