

CDX-M600/M600R/M650

SERVICE MANUAL

Ver 1.3 2001.05

US Model
Canadian Model
CDX-M600/M650
AEP Model
UK Model
CDX-M600R



Photo: CDX-M600

- The tuner and CD sections have no adjustments.

SPECIFICATIONS

AUDIO POWER SPECIFICATIONS (CDX-M600/M650)
POWER OUTPUT AND TOTAL HARMONIC DISTORTION
19 watts per channel minimum continuous average power into 4 ohms, 4 channels driven from 20 Hz to 20 kHz with no more than 1% total harmonic distortion.

Other Specifications

CD player section

System	Compact disc digital audio system
Signal-to-noise ratio	90 dB
Frequency response	100 – 20,000 Hz
Warp and flutter	Below measurable limit
Laser Diode Properties (CDX-M600/M650)	
Material	GaAlAs
Wavelength	780 nm
Emission Duration	Continuous
Laser output power	Less than 64.0 mW*

* This output is the value measured at a distance of 200 mm from the objective lens surface on the Optical Pick-up Block.

Tuner section

FM

Tuning range	87.5 – 107.9 MHz (CDX-M600R) 87.5 – 106.0 MHz (CDX-M600/M650)
Antenna terminal	External antenna connector
Intermediate frequency	10.7 MHz/450 kHz
Usable sensitivity	8 dB
Selectivity	75 dB at 400 kHz 60 dB (common) 72 dB (common)
Signal-to-noise ratio	1 kHz 10.5% (common) 9.3% (common)
Separation	35 dB at 1 kHz
Frequency response	30 – 15,000 Hz

AM (CDX-M600/M650)

Tuning range	530 – 1,710 kHz
Antenna terminal	External antenna connector
Intermediate frequency	10.7 MHz/450 kHz
Sensitivity	30 μV

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Model Name Using Similar Mechanism	NEW
CD Drive Mechanism Type	MG-3832-121/UK
Optical Pick-up Name	KSS-720A

FM/LW (CDX-M600R)

Tuning range	MW: 530 – 1,600 kHz LW: 150 – 270 kHz
Antenna terminal	External antenna connector
Intermediate frequency	10.7 MHz/450 kHz
Sensitivity	MW: 30 μV LW: 40 μV

Power amplifier section

Outputs	Speaker outputs
Speaker impedance	4 – 8 ohms
Maximum power output	50 W (x 4 ch 4 ohms)

General

Outputs	Audio outputs (1) (CDX-M600/M650) Audio outputs (2) (CDX-M600R) Power antenna relay control lead (CDX-M600/M650) Power aerial relay control lead (CDX-M600R) Power amplifier control lead Telephone ATT control lead Elimination control lead
Inputs	
Power requirements	12 V DC car battery (negative ground)

— Continued on next page —

FM/AM COMPACT DISC PLAYER

CDX-M600/M650

FM/MW/LW COMPACT DISC PLAYER

CDX-M600R

SONY®

Sony Cdx M600 Car Receivers Owners Manual

Sony Corporation of America



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Mopar Simca, Diamond-dot ,1964

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web an internal command is the ms dos command stored in system memory and loaded from command com or cmd exe
internal commands include md date copy cd

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web aug 31 1996 in dos systems an internal command is any command that resides in the command com file this includes
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web bolt torque is calculated for a flanged assembly using the following equation applied torque $t_k f d$ 12 in fps unit where t torque in ft lb k dimensionless nut factor or tightening factor f axial force in pounds d nominal bolt diameter in inches in the metric system torque applied $t_k d f$ 1000 where t torque in n m f bolt load in n

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web easy handling bolt numbering shall be done clockwise around the flange with the following sequence the table below shows the torque sequence for flanges with 4 to 32 bolts number of bolt studbolt tightening sequence to follow4 bolt flange1 3 2 4 8 bolt flange1 5 3 7 2 6 4 8 12 bolt flange1 7 4 10 2 8 5 11 3 9 6 12 16 bolt

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web for flanges with 12 or more bolts 1 st round 20 percent of final torque 2 nd round 40 percent of final torque 3 rd round 80 percent of final torque 4 th round 100 percent of final torque final round clockwise or counter clockwise around the flange please take note the above bolt tightening sequences are the most

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web jan 27 2021 the gasket type and arrangement of the flange connection are both critical to choosing which tightening sequence an assembler can use this article which is intended for supervisors engineers or anyone else who oversees bolted flange assembly or maintenance will discuss different torque sequences

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web ensure the bolt lengths allow for a minimum of 2 3 threads protruding beyond the top of the nut when tightened bolts must be tightened according to the below sequence options assemble bolts hand tight maximum 30 of final tightening torque as per below cross pattern sequences

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web step 1 liberally lubricate all load bearing surfaces including threads and flat washers then install and finger tighten all fasteners number the bolts flange according to the bolt torque sequence step 2 set the torque wrench to 1 3 of the target torque value and tighten in an order bolts 1 2 3 4 until all have been tightened

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bolt then move 1/4 turn around the circle or 90 degrees for the third bolt and directly across for the fourth continue this sequence until all bolts are tightened when tightening a four bolt flange use a criss cross

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