

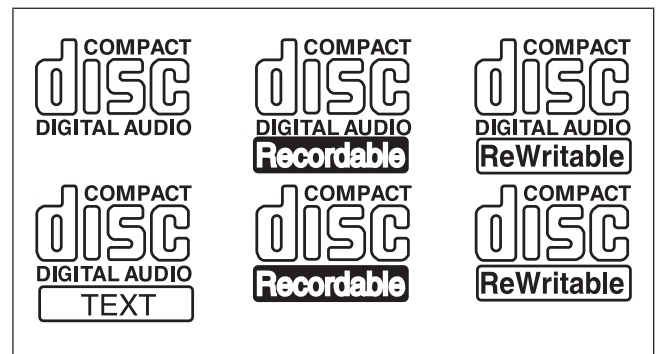
REFERENCE [CD PLAYER]

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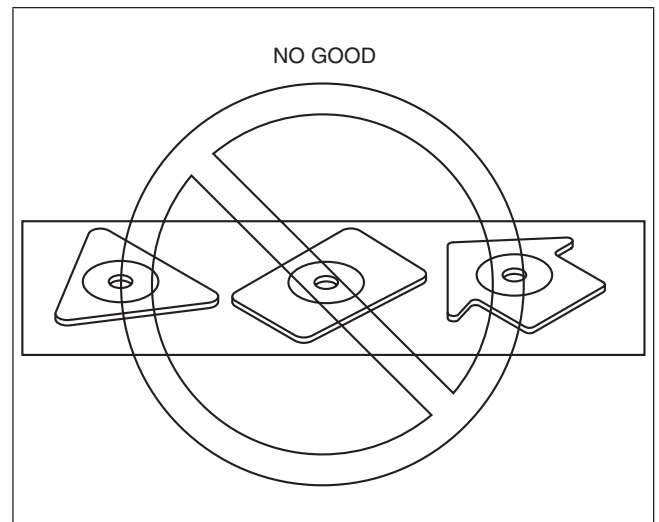
- The CD player/changer has been designed to play CDs bearing the identification logo, COMPACT DISC DIGITAL AUDIO, as shown. No other discs can be played on the CD player/changer other than MP3/WMA applicable one.
- The CD player/changer may not play the following CD:
 - Defective CD (e.g., cracked, badly bent, rough edges, scratch, dirty CD condensation)
 - CDs accessories (e.g., 8 cm (3 in) disc adapter (with CD player), sticker, label, disc ring and protective sealant)
 - Nonstandard CD (e.g., Diameter/thickness is out of specification)
Specification: 119.7—120.3 mm (4.668—4.692 in) of diameter, 1.2+0.3 or -0.1 mm (0.047+0.012 or 0.004 in) of thickness
- Do not use non-conventional discs. The CD player/changer could be damaged.

Examples:

- Although the same physical size as the compact disc, SACD uses a different kind of digital audio signal, Direct Stream Digital.
- The CD player/changer may not play the CD-R/RW properly due to the disc condition (excluding the MP3/WMA).



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MP3/WMA-Formatted File

Outline of CD-R and CD-RW

- Definition
 - CD-R: The CD-R is a non-rewritable version. Once a section of a CD-R is written, it cannot be erased or rewritten.
 - CD-RW: The CD-RW is a re-writable version of CD-ROM and can be written the data an unlimited number of times.
 - Since a reflected laser beam amount of the CD-R/RW is less than the reflected laser beam amount of the conventional CD media, the CD player/changer may not play the CD-R/RW or have the sound jumped.
 - Since the recording quality of the CD-R/RW vary widely, some CD-R/RW may not be played.

Recording method

- There are two methods for recording.
- Classification by recorder
 - Record the audio data in the audio-CD by audio recorder
 - The price of the audio recorder and original audio-CD includes the copyright fee.
 - Recorded the audio data in the conventional data-CD by the personal computer
 - The data-CD is cheaper than the audio-CD. But, there is a CD with the low quality.
- Classification by audio data uncompression/compression
 - Uncompressed audio data
 - The CD-R/RW player can play the uncompressed audio data.
 - Compressed audio data
 - It is possible to record the large quantity of music in a disc. The sound quality varies depends on the audio data compression format. The compressed audio data can be played on the applicable player only.
 - Type of compression format:
 - MP3: MPEG Audio Layer 3 — Mazda genie MP3 applicable CD player is available.

- WMA: Windows Media Audio — Mazda genie WMA applicable CD player is available.
- ATRAG: Adaptive TRAnsform Acoustic Coding

MP3

- The following condition should be met in order to record the MP3-formatted data on the MP3 applicable CD player:

Media	Applicable to the CD-R/RW
Logical format	ISO 9660 level 1&2 / Joliet / Romeo
Number of directly	8 directly
Number of files	Maximum 255 as a total number of file and folder Maximum 155 for folder
ID3 TAG	Applicable to Ver1.1, 2.3 and 2.4
File extension	MP3
Packet writing	Not applicable
Bit rate	8 kbps—320 kbps/VBR
Sampling rate	11.025 kHz—48 kHz

WMA (Windows media audio)

- CD-R and CD-RW including WMA files can be played with this unit. Discs which conform to the following formats can be played.

Playable WMA files are as follows:

Item		Content
Specification		Windows Media Audio Version 7.0, 8.0, 9.0
Sampling frequency	Bit rate	32kHz — 32, 40, 48 kbps
		44.1kHz — 32, 48, 64, 80, 96, 128, 160, 192, 256, 320 kbps
		48kHz — 64, 96, 128, 160, 192 kbps
VBR (Variable Bit Rate)		Supported
Channel mode		Stereo/Monaural
WMA tag		Title, artist name, album name