SYSTEM DESCRIPTION

1. **DISC PLAYER OUTLINE**
   (a) A CD player uses a laser pickup to read digital signals recorded on CDs. By converting the digital signals to analog, music and other content can be played.
   CAUTION:
   Do not look directly at the laser pickup because the CD player uses an invisible laser beam. Be sure to operate the player only as instructed.
   NOTICE:
   - **Do not disassemble any part of the CD player.**
   - **Do not apply oil to the CD player.**
   - **Do not insert anything but a CD into the CD player.**
   (b) Usable discs
   (1) CD player

H   E119759

   (c) Precautions for handling disc
   NOTICE:
   - **Copy-controlled CDs cannot be used.**
   - **Some CD-Rs and CD-RWs are not playable as a result of: 1) the type of recording method used, 2) the type of disc, 3) scratches, 4) contamination, or 5) the disc being in the vehicle for an extended amount of time, leading to deterioration.**
   - **CD-Rs and CD-RWs that have not been finalized cannot be played.**
   - **PAL or SECAM color television standard discs cannot be played. Only NTSC discs can be played.**
   - **Dual layered discs that mate DVD recorded material on one side with CD digital audio material on the other cannot be played.**
   - **When handling a disc, be careful not to put fingerprints, stains or scratches on the disc.**
   - **When holding a disc, pinch the center hole and edge of the disc with your fingers. Face the printed side upward.**
   - **If a disc is ejected by pressing the eject button and left partially ejected for an extended period of time, the disc may become deformed and unusable.**

AV

- **A disc may not be able to be ejected or the player may become damaged if: 1) cellophane tape, stickers, CD-R labels or rental CD labels are attached; or 2) residue from removed tape, stickers or labels remain.**
- **Avoid direct sunlight when storing discs as they may become deformed and unusable.**
- **Do not use uniquely-shaped discs as they may damage the player.**
- **Do not use discs where part of the recording surface is transparent or translucent. If used, the disc may become unable to be inserted, ejected and played normally.**

HINT:

- Just as condensation fogs the vehicle's windows during wet or cold weather, condensation may also form inside the player. If condensation forms, CD skipping or playback stoppage may occur. Ventilate or dehumidify the vehicle for a while before using the player.
- If the player vibrates severely due to driving on a rough road, the CD may skip.
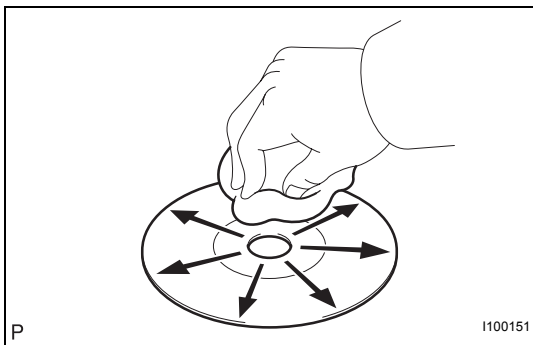
(d) Cleaning

NOTICE:

Do not use lens cleaner when cleaning the player, as it may damage the player's pickup part.

(1) To clean dirty discs, use a dry, soft cloth such as those used for glasses with plastic lenses.
Lightly wipe radially from the center of the disc.

NOTICE:

- **Pressing the disc roughly with your hand or scrubbing with a hard cloth may scratch the disc surface.**
- **Using record spray, anti-static agents, alcohol, benzene, thinner or other solvents, and chemical cloths on a disc will damage the disc and may make the disc unusable.**

2. **MP3/WMA OUTLINE**

HINT:

Some vehicle's audio and visual systems do not support the WMA format.

(a) Playable MP3 file standards

Compatible standard	MP3 (MPEG1 LAYER3, MPEG2 LSF LAYER3)
Compatible sampling frequency	• MPEG1 LAYER3: 32, 44.1, 48 (kHz) • MPEG2 LSF LAYER3: 16, 22.05, 24 (kHz)
Compatible bit rate	• MPEG1 LAYER3: 64, 80, 96, 112, 128, 160, 192, 224, 256, 320 (kbps) • MPEG2 LSF LAYER3: 64, 80, 96, 112, 128, 144, 160 (kbps) • Compatible with VBR
Compatible channel mode	Stereo, joint stereo, dual channel, monaural

(b) Playable WMA file standards

Compatible standard	WMA Ver. 7, 8, and 9
Compatible sampling frequency	32, 44.1, 48 (kHz)
Compatible bit rate	• Ver. 7, 8: CBR48, 64, 80, 96, 128, 160, 192 (kbps) • Ver. 9: CBR48, 64, 80, 96, 128, 160, 192, 256, 320 (kbps) • Compatible with playback of channel 2 only

(c) ID3 tag and WMA tag
  (1) Additional textual information called ID3 tags can be input to MP3 files. Information such as song titles and artist names can be stored.
  HINT:
  This player is compatible with the ID3 tags of ID3 Ver. 1.0 and 1.1, and ID3 Ver. 2.2 and 2.3. (Number of characters complies with ID3 Ver. 1.0 and 1.1.)
  (2) Additional textual information called WMA tags can be input to WMA files. Information such as song titles and artist names can be stored.
(d) Usable media
  (1) Only CD-ROMs, CD-Rs (CD-Recordable), and CD-RWs (CD-ReWritable) can be used to play MP3/WMA files.
  NOTICE:
  • **CD-Rs and CD-RWs are more easily affected by a hot and humid environment than discs used for normal audio CDs. For this reason, some CD-Rs and CD-RWs may not be playable.**
  • **If there are fingerprints or scratches on the disc, the disc may not be playable or the CD may skip.**
  • **Some CD-Rs and CD-RWs deteriorate if they are left in the cabin for a long time.**
  • **Keep CD-Rs and CD-RWs in a storage case that is non-transparent.**
(e) Usable media format
  (1) Usable media format

Disc format	CD-ROM Mode 1, CD-ROM XA Mode 2 Form1
File format	ISO9660 Level 1 and Level 2 (Joliet, Romeo)

HINT:
  • As for MP3/WMA files written in any format other than those above, the contents of the files may not be playable or the file names or folder names may not be displayed correctly.
  • This player is compatible with multi-session discs and can play CD-Rs and CD-RWs on which MP3/WMA files are added. However, only the first session can be played.
  • Discs whose first session includes both music data and MP3 or WMA format data cannot be played.
  (2) Standards and restrictions

Maximum directory levels	8 levels

Maximum number of characters for a folder name/file name	32 characters
Maximum number of folders	192 (Including empty folders, root folders, and folders that do not contain MP3/WMA files)
Maximum number of files in a disc	255 (Including non-MP3/WMA files)

(f) File names
(1) Only files with an extension of ".mp3" or ".wma" can be recognized and played as MP3 or WMA files.
(2) Save MP3 or WMA files with an extension of ".mp3" or ".wma".
NOTICE:
If saving non-MP3 or non-WMA files with an extension of ".mp3" or ".wma", those files are wrongly recognized as MP3 or WMA files and played. A loud noise may occur and damage to the speaker may result.

3. BLUETOOTH OUTLINE
(a) Bluetooth is a new wireless connection technology that uses the 2.4 GHz frequency band. This makes it possible to connect a cellular phone (Bluetooth capable phone*) to the multi-display (Bluetooth system is built-in), and use a handsfree function with the cellular phone in a pocket or bag. As a result, it is not necessary to use a connector for the cellular phone.
HINT:
*: The communication performance of Bluetooth may vary depending on the Bluetooth version, obstructions or radio wave conditions between communication devices, electromagnetic radiation, communication device sensitivity, or antenna capacity.

BLUETOOTH is a trademark owned by Bluetooth SIG, Inc.

I101463E01

AV