

**SONY®**

# ***Changer Control Audio Master***

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Operating Instructions \_\_\_\_\_

**EN**

For installation and connections, see the supplied installation/connections manual.

**COMPACT**  
**disc**  
**DIGITAL AUDIO**

**WX-C570**

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## Welcome!

Thank you for purchasing the Sony Changer Control Audio Master.

In addition to tape playback and radio operation you can expand your system by connecting an optional CD/MD changer.

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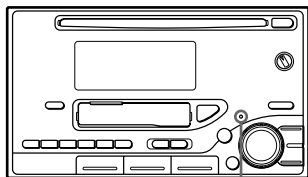
EN

# Getting Started

## Resetting the unit

Before operating the unit for the first time or after replacing the car battery, you must reset the unit.

Press the reset button with a pointed object, such as a ball-point pen.



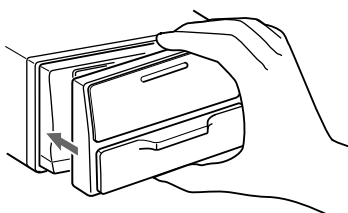
Reset button

### Note

Pressing the reset button will erase all the memorized program and memory functions.

## Using the decoy cover

To deter theft of this unit, use the decoy black ashtray cover when not using your car.



### Note

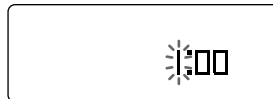
If the unit does not extend 6 mm from the dash panel, you may not be able to use the decoy cover.

## Setting the clock

The clock has a 12-hour digital indication.  
For example, to set to 10:08

1 Press **OFF** or **DSPL** during operation.

2 Press **DSPL** for two seconds.



The hour digit flashes.

1 Set the hour digits.

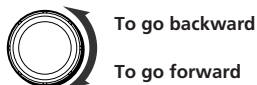


2 Press **SOUND** momentarily.



The minutes digits flashes.

3 Set the minute digits.



3 Press **DSPL** momentarily.



The clock starts.

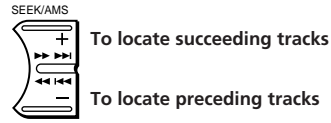
### Note

If the **POWER SELECT** switch on the bottom of the unit is set to the **B** position, the clock cannot be set unless the power is turned on. Set the clock after you have turned on the radio.

# CD Player

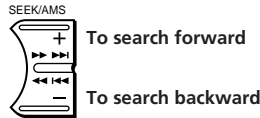
## Locating a specific track — Automatic Music Sensor (AMS)

During playback, press either side of **(SEEK/AMS)** momentarily.



## Locating a specific point in a track — Manual Search

During playback, press and hold either side of **(SEEK/AMS)** for two seconds. Release the button when you have found the desired point.



### Note

If “LLLLL” or “RRRRR” appears on the display, you have reached the beginning or the end of the disc and you cannot go any further.

## Playing a CD in various modes

### Searching for the desired track — Intro Scan

Press **(1)** during playback. “INTRO” appears on the display.

The first 10 seconds of all tracks are played.

When you find the desired track, press **(1)** again. The unit returns to the normal playback mode.

### Playing tracks repeatedly — Repeat Play

Press **(2)** during playback. “REPEAT” appears on the display.

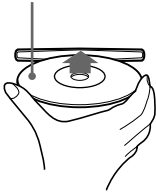
When the currently track is over, the tape rewinds to the beginning of the track and plays it again.

To cancel this mode, press **(2)** again.

## Listening to a CD

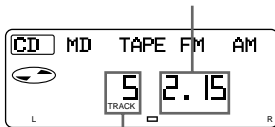
Simply insert the CD.  
Playback starts automatically.

Labelled side up



If a CD is already inserted, press **(CD/MD)** repeatedly until “CD” appears.

Elapsed playing time



Track number

To	Press
Stop playback	<b>(STOP)</b> or <b>(OFF)</b>
Eject the CD	<b>(EJECT)</b>

### Note

- If you cannot insert a CD when the POWER SELECT switch is set to **(5)** position, try turning on the power to the radio or cassette first.
- If you leave the disc in the insertion slot for more than 15 seconds after pressing **(EJECT)**, the disc will reinsert automatically to protect the disc.

## Changing the displayed items

Each time you press **(DSPL)**, the item changes as follows:

Track number ↔ Clock

## Playing tracks in random order

### — Shuffle Play

Press **(3)** during playback.  
“SHUFFLE” appears on the display.

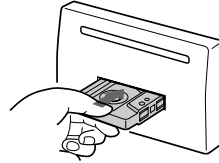
Tracks are played in random order.

To cancel this mode, press **(3)** again.

# Cassette Player

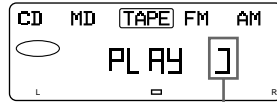
## Listening to a tape

Insert a cassette.



Playback will start automatically.

If a cassette is already inserted, press **(TAPE)** (**<|>**).



The side facing up is played.



The side facing down is played.

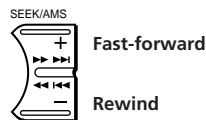
### Tip

To change the tape transport direction, press **(TAPE)** (**<|>**) again during tape playback.

To	Press
Stop playback	<b>(OFF)</b>
Eject the cassette	<b>▲</b>

## Fast-winding the tape

During playback, press either side of **(SEEK/AMS)** for two seconds.



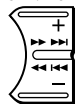
To start playback during fast-forwarding or rewinding, press **(TAPE)** (**<|>**).

## Locating the beginning of a track — Automatic Music Sensor (AMS)

You can skip up to nine tracks at one time.

During playback, press either side of **(SEEK/AMS)** momentarily.

SEEK/AMS



To locate the succeeding tracks

To locate the preceding tracks

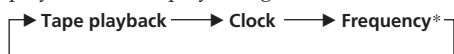
### Note

The AMS function may not work when :

- the blanks between tracks are shorter than 4 seconds
- there is noise between tracks
- there are long sections of low volume or quiet sections.

## Changing the displayed items

Each time you press **(DSPL)** during tape playback, the display changes as follows:



\* While the ATA function is activated.

## Playing a tape in various modes

### Searching for the desired track

#### — Intro scan

Press **(1)** during playback.

“INTRO” appears on the display.

The first 10 seconds of all tracks are played.

When you find the desired track, press **(1)** again. The unit returns to the normal playback mode.

### Playing tracks repeatedly

#### — Repeat play

Press **(2)** during playback.

“REPEAT” appears on the display.

When the current track is over, the tape rewinds to the beginning of the track and plays it again.

To cancel this mode, press **(2)** again.

## Playing a tape recorded in the Dolby\* B NR system

Press **(3)** when you want to listen to a tape recorded in the Dolby\* B NR system. “**□□**” appears on the display.

To cancel this mode, press **(3)** again.

\* Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation. “DOLBY” and the double-D symbol **□□** are trademarks of Dolby Laboratories Licensing Corporation.

## Playing a CrO<sub>2</sub> or metal tape

Press **(4)** when you want to listen to a CrO<sub>2</sub> (TYPE II) or metal (TYPE IV) tape. “MTL” appears on the display.

To cancel this mode, press **(4)** again.

## Switching to the radio while fast-winding a tape

### — Automatic Tuner Activation (ATA)

Press **(5)** during playback.

“ATA” appears on the display.

When fast-forwarding or rewinding with **(SEEK/AMS)** for two seconds, the tuner turns on automatically.

To cancel this mode, press **(5)** again.

## Skipping blanks during tape playback — Blank skip

Press **(6)** during playback.

“BL.SKIP” appears on the display.

Blanks longer than eight seconds are automatically skipped during tape playback.

To cancel this mode, press **(6)** again.

## Memorizing stations automatically

### — Best Tuning Memory (BTM)

This function selects from the currently received band the stations with the strongest signals and memorizes them in order of their frequency.

#### PREVENTING ACCIDENTS!

When tuning in while driving, use the automatic tuning or memory preset search function instead of manual tuning.

#### 1 Press **(TUNER)** repeatedly to select the band.

Each time you press **(TUNER)**, the band changes as follows:

FM1 → FM2 → AM1 → AM2

#### 2 Press **(BTM/SENS)** for two seconds.

#### Notes

- The unit does not store stations with weak signals on the preset number buttons. If there are only a few stations received, some preset number buttons remain empty.
- When a preset number indicated on the display, the unit starts storing station from the one currently displayed.

## Memorizing only desired stations

Up to 6 stations on each band (FM1, FM2, AM1 and AM2) can be stored using the preset number buttons. Therefore, 12 FM and 12 AM stations can be memorized.

If you try to store another station on the same preset number button, the previously stored station will be erased.

#### 1 Press **(TUNER)** repeatedly to select the band.

#### 2 Press **(SEEK/AMS)** to search for the station you wish to store on a preset number button.

#### 3 Press the desired preset number button **(1 to 6)** for two seconds.

The selected preset number appears on the display.

#### Note

If you try to store another station on the same number button, the previously stored station will be erased.

## Receiving memorized stations

#### 1 Press **(TUNER)** repeatedly to select the band.

#### 2 Press the preset number button **(1 to 6)** momentarily on which the desired station is stored.

#### Tip

Press either side of **(PRESET/DISC)** to receive the memorized stations in order (Preset Search Function).

### If you cannot tune in a preset station

Press either side of **(SEEK/AMS)** to search for the station (automatic tuning).

Scanning stops when a station is received. Repeat until the desired station is received.

#### Note

If the automatic tuning stops too frequently, press **(BTM/SENS)** to light up "LOCAL" on the display (local seek mode). Only the stations with relatively strong signals are be tuned in.

#### Tip

If you know the frequency, press and hold either side of **(SEEK/AMS)** until the desired station is received (manual tuning).

### If FM stereo reception is poor — Monaural Mode

Press **(BTM/SENS)** momentarily until "MONO" appears.

The sound improves, but becomes monaural ("ST" disappears).

To go back to the normal mode, press again until "MONO" disappears.

### Changing the displayed items

Each time you press **(DISPL)**, the items alternate between the frequency and time.



# Other Functions

## Adjusting the sound characteristics

- 1 Select the item you want to adjust by pressing **(SOUND)** repeatedly.**  
VOL (volume) → BAS (bass) → TRE (treble) → BAL (left-right) → FAD (front-rear)
- 2 Adjust the selected item by rotating the dial.**

Adjust within three seconds after selecting. (After three seconds the button will again serve as the volume control.)

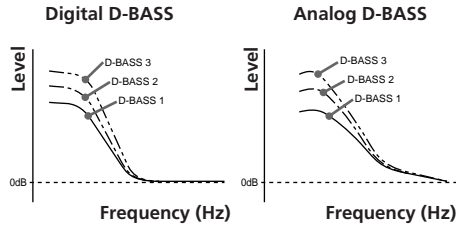
## Changing the sound and beep tone

### Boosting the bass sound — D-Bass

You can enjoy clear and powerful bass sounds. The D-bass function boosts the low frequency signal with a sharper curve than conventional bass boost.

You can hear the bass line more clearly even if the vocal sound is the same volume. You can emphasize and adjust the bass sound easily with the D-bass control. This effect is similar to the one you get when you use an optional subwoofer system.

Moreover, the Digital D-bass\* function creates even sharper and more powerful bass sounds than Analog D-bass.



### Adjusting the bass curve

Turn the D-BASS dial to adjust the bass level (1, 2 or 3).

"D-BASS"\* appears on the display.

To cancel, turn the control to the OFF position.

\* If an optional CD changer has the Digital D-BASS function, "DIGITAL D-BASS" appears on the display during CD playback.

### Note

If the bass sound becomes distorted, adjust the D-BASS dial or volume control.

### Muting the beep tone

Press **(6)** while pressing **(SOUND)**.

To obtain the beep tone again, press these buttons once more.

## With Optional Equipment

# CD/MD Changer

You can control two CD or MD changers with this unit.

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## Playing a CD/MD

Press **(CD/MD)** until the desired changer indication appears on the display. CD/MD playback starts.

When a CD/MD changer is connected, all the tracks play from the beginning.

### Selecting CD/MD changers (when several CD/MD changers are connected)

Press **(CD/MD)** repeatedly to select the desired CD/MD changer.

### Changing the displayed items

Each time you press **(DSPL)** during CD/MD playback, the item changes as follows:

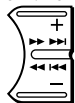
Track number ↔ Clock

### Locating a specific track

#### — Automatic Music Sensor (AMS)

During playback, press either side of **(SEEK/AMS)** once for each track you wish to skip.

SEEK/AMS



To locate the succeeding tracks

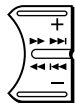
To locate the preceding tracks

### Locating a specific point in a track

#### — Manual search

During playback, press and hold either side of **(SEEK/AMS)**. Release the button when you have found the desired part.

SEEK/AMS



To search forward

To search backward

### Switching to other discs

During playback, press either side of **(PRESET/DISC)**.

PRESET/DISC



To return to the previous disc

To advance to the next disc

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## Scanning the tracks

### — Intro scan

The first 10 seconds of all tracks on the current disc are played in order. Then the first 10 seconds of all tracks on the following discs are played.

Press **(1)** during playback.

“INTRO” appears on the display.

When you find the desired track, press again. The unit returns to the normal CD/MD playback mode.

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## Playing tracks repeatedly

### — Repeat play

#### To repeat a track

Press **(2)** repeatedly during CD/MD playback until “REP 1” appears.

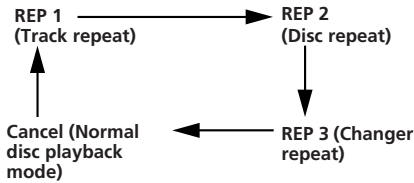
#### To repeat a disc

Press **(2)** repeatedly during CD/MD playback until “REP 2” appears.

## To repeat all the discs in the current changer

Press ② repeatedly during CD/MD playback until "REP 3" appears.

Each time you press ② the display changes as follows:



## Playing tracks in random order — Shuffle play

### To play the tracks on the current disc in random order

Press ③ repeatedly during CD/MD playback until "SHUF 1" appears.

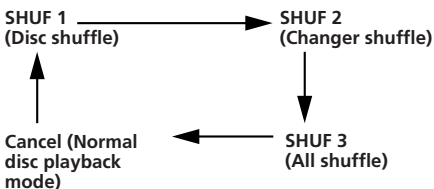
### To play all the tracks in the current changer in a random order

Press ③ repeatedly during CD/MD playback until "SHUF 2" appears.

### To play all the tracks in both changers in random order

Press ③ repeatedly during CD/MD playback until "SHUF 3" appears.

Each time you press ③ the display changes as follows:



If you press ① during shuffle play, the first 10 seconds of all tracks will be played in random order.

## Additional Information

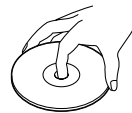
### Precautions

- If your car was parked in direct sunlight resulting in a considerable rise in temperature inside the car, allow the unit to cool off before operating it.
- If no power is being supplied to the unit, check the connections first. If everything is in order, check the fuse.
- If no sound comes from the speakers of a 2-speaker system, set the fader control to the center position.
- When the tape is played back for a long period, the cassette may become warm because of the built-in power amplifier. This is not a sign of malfunction.

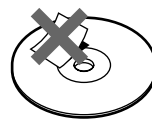
If you have any questions or problems concerning your unit that are not covered in this manual, please consult your nearest Sony dealer.

### Notes on handling CDs

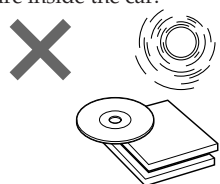
A dirty or defective disc may cause sound dropouts while playing. To enjoy optimum sound, handle the disc as follows. Handle the disc by its edge. To keep the disc clean, do not touch the surface.



Do not stick paper or tape on the labeled surface.



Do not expose the discs to direct sunlight or heat sources such as hot air-ducts, or leave them in a car parked in direct sunlight where there can be a considerable rise in the temperature inside the car.



Before playing, clean the discs with an optional cleaning cloth. Wipe each disc from the center out.

Do not use solvents such as benzine, thinner, commercially available cleaners or antistatic spray intended for analog discs.



### Notes on moisture condensation

On a rainy day or in a very damp area, moisture may condense on the lenses inside the CD player. Should this occur, the unit will not operate properly. In this case, remove the disc and wait for about an hour until the moisture evaporates.

### To maintain high quality sound

If you have drink holders near your audio equipment, be careful not to splash juice or other soft drinks onto the car audio. Sugary residues on this unit or cassette tapes may contaminate the playback heads, reduce the sound quality, or prevent sound reproduction altogether.

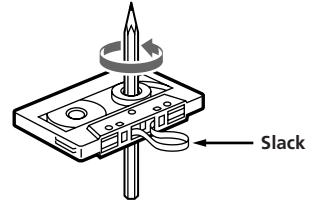
Cassette cleaning kits cannot remove sugar from the tape heads.



## Notes on Cassettes

### Cassette care

- Do not touch the tape surface of a cassette, as any dirt or dust will contaminate the heads.
- Keep cassettes away from equipment with built-in magnets such as speakers and amplifiers, as erasure or distortion on the recorded tape could occur.
- Do not expose cassettes to direct sunlight, extremely cold temperatures or moisture.
- Slack in the tape may cause the tape to be caught in the machine. Before you insert the tape, use a pencil or similar object to turn the tape reel and take up any slack.

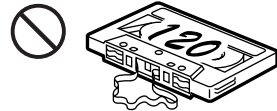


- Distorted cassettes and loose labels can cause problems when inserting or ejecting tapes. Remove or replace loose labels.



### Cassettes longer than 90 minutes

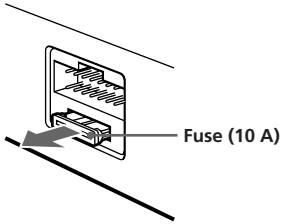
The use of cassettes longer than 90 minutes is not recommended except for long continuous play. The tapes used for these cassettes are very thin and tend to be stretched easily. Frequent playing and stopping of these tapes may cause them to be pulled into the cassette deck mechanism.



# Maintenance

## Fuse Replacement

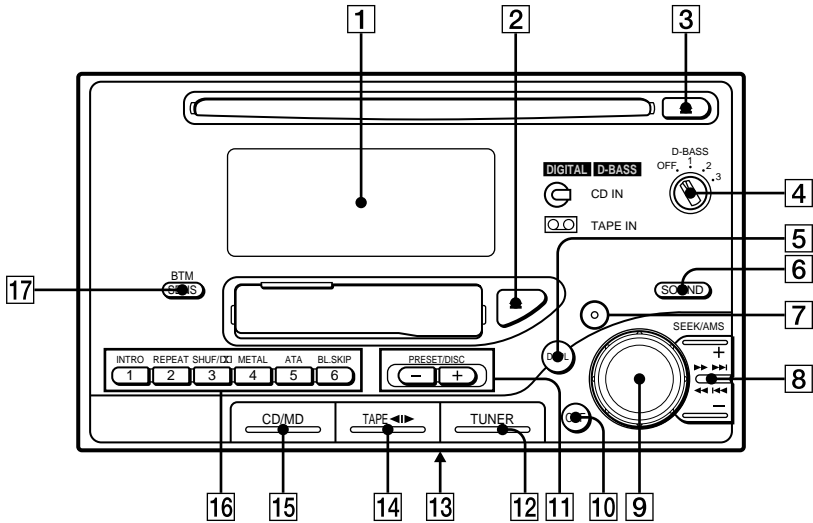
When replacing the fuse, be sure to use one matching the amperage rating stated on the fuse. If the fuse blows, check the power connection and replace the fuse. If the fuse blows again after replacement, there may be an internal malfunction. In such a case, consult your nearest Sony dealer.



## Warning

Never use a fuse with an amperage rating exceeding the one supplied with the unit as this could damage the unit.

# Location of controls



Refer to the pages for further details.

- 1** Display window
- 2** ▲ (eject for tape) button 6
- 3** ▲ (eject for CD) button 5
- 4** D-BASS dial 10
- 5** DSPL (display mode change/time set) button 4, 5, 7, 8, 10
- 6** SOUND button 4, 9
- 7** Reset button  
Press this button when you use this unit for the first time, when you have changed the car battery, or when the buttons of this unit do not function properly.
- 8** SEEK/AMS (seek/Automatic Music Sensor/manual search) button 5, 6, 7, 8, 10
- 9** Dial (volume/bass/treble/balance/fader control) 4, 9
- 10** OFF button 4, 5, 6
- 11** PRESET/DISC button  
During tuner reception:  
Preset station search 8  
  
During CD/MD playback:  
CD/MD Changer select 10
- 12** TUNER button 8
- 13** POWER SELECT switch (located on the bottom of the unit)  
See "POWER SELECT Switch" in the Installation/Connections manual.
- 14** TAPE/◀▶ button 6
- 15** CD/MD button 5, 10
- 16** During tuner reception:  
Preset number buttons 8  
  
During tape/CD/MD playback:
  - ① INTRO button 5, 7, 10
  - ② REPEAT button 5, 7, 10
  - ③ SHUF/□□ (Shuffle/dolby) button 6, 7, 11
  - ⑤ ATA (Automatic Tuner Activation) button 7
  - ⑥ BL.SKIP (Blank Skip) button 7
- 17** BTM/SENS (best tuning memory/sensitivity adjust) button 8

When the positions of switch **13** has been changed, be sure to press the reset button after connecting power.

# Specifications

## CD player section

Signal-to-noise ratio	88 dB
Frequency response	10 – 20,000 Hz
Wow and flutter	Below measurable limit

## Cassette player section

Tape track	4-track 2-channel stereo
Wow and flutter	0.08 % (WRMS)
Frequency response	30 – 18,000 Hz
Signal-to-noise ratio	

Cassette type	Dolby B NR	Dolby NR off
TYPE II, IV	67 dB	58 dB
TYPE I	64 dB	55 dB

## Tuner section

### FM

Tuning range	87.5 – 108.0 MHz
Antenna terminal	External antenna connector
Intermediate frequency	10.7 MHz
Usable sensitivity	9 dBf
Selectivity	75 dB at 400 kHz
Signal-to-noise ratio	65 dB (stereo), 68 dB (mono)
Harmonic distortion at 1 kHz	0.5 % (stereo), 0.3 % (mono)
Separation	35 dB at 1 kHz
Frequency response	30 – 15,000 Hz
Capture ratio	4 dB

### AM

Tuning range	531 – 1,602 kHz
Antenna terminal	External antenna connector
Intermediate frequency	10.71 MHz/450kHz
Sensitivity	30 $\mu$ V

## Power amplifier section

Outputs	Speaker outputs (sure seal connectors)
Speaker impedance	4 – 8 ohms
Maximum power output	35 W $\times$ 4 (at 4 ohms)

## General

Outputs	Power antenna control lead Power amplifier control lead Telephone mute control lead Line outputs (2) Bass $\pm$ 8 dB at 100 Hz Treble $\pm$ 8 dB at 10 kHz
Tone controls	
Power requirements	12 V DC car battery (negative ground)
Dimensions	Approx. 178 $\times$ 100 $\times$ 173 mm (w/h/d)
Mounting dimensions	Approx. 178 $\times$ 100 $\times$ 155 mm (w/h/d)
Mass	Approx. 2.1 kg
Supplied accessories	Parts for installation and connections (1 set) Decoy cover (1)
Optional accessories	Bus cable (supplied with an RCA pin cord) RC-61 (1 m), RC-62 (2 m) RCA pin cord RC-63 (1 m), RC-64 (2 m), RC-65 (5 m)
Optional equipment	Cleaning cloth XP-CD1 CD changer CDX-705 (10 discs), CDX-T62 (6 discs), MD changer MDX-61 Source selector XA-C30

*Design and specifications are subject to change without notice.*

# Troubleshooting guide

The following checklist will assist in the correction of most problems you may encounter with your unit.

Before going through the checklist below, refer to the operating procedures.

## General

Problem	Cause/Solution
No sound.	<ul style="list-style-type: none"><li>• Rotate the dial in a clockwise direction to adjust the volume.</li><li>• Set the fader control to the center position for 2-speaker systems.</li></ul>
The contents of the memory have been erased.	<ul style="list-style-type: none"><li>• The power cord or battery has been disconnected.</li><li>• The reset button has been pressed. → Store again into the memory.</li></ul>
No beep tone.	The beep tone is muted.

## CD/MD playback

Problem	Cause/Solution
A disc cannot be loaded.	<ul style="list-style-type: none"><li>• Another CD is already loaded.</li><li>• The CD is forcibly inserted upside down or in the wrong way (MD).</li></ul>
Play does not begin.	Defective MD or dusty CD.
A disc is automatically ejected.	The ambient temperature exceeds 50 °C.
The operation buttons do not function.	Press the RESET button.
The sound skips due to vibration.	<ul style="list-style-type: none"><li>• The unit is installed at angle of more than 20°.</li><li>• The unit is not installed in a sturdy part of the car.</li></ul>

## Tape playback

Problem	Cause/Solution
Playback sound is distorted.	Contamination of the tape head. → Clean the head.
The AMS does not operate correctly.	<ul style="list-style-type: none"><li>• There is noise in the space between tracks.</li><li>• A blank space is too short (less than four seconds).</li><li>• ►► on (SEEK/AMS) is pressed immediately before the following track.</li><li>• ◀◀ on (SEEK/AMS) is pressed immediately after the track starts.</li><li>• A long pause, or a passage of low frequencies or very low sound level is treated as a blank space.</li></ul>

## Radio reception

Problem	Cause/Solution
Preset tuning is not possible.	<ul style="list-style-type: none"><li>• Store the correct frequency.</li><li>• The broadcast is too weak.</li></ul>
Automatic tuning is not possible.	The broadcast is too weak. → Use manual tuning.
The "ST" indication flashes.	<ul style="list-style-type: none"><li>• Tune in precisely.</li><li>• The broadcast is too weak. → Press (BTM/SENS) to enter the MONO mode.</li></ul>



## Error displays (with optional CD/MD changer(s) connected)

The following indications will flash for about five seconds and an alarm sound will be heard.

Display	Cause	Solution
E - 01	The disc magazine is not inserted in the CD/MD changer.	Insert the disc magazine with discs into the CD/MD changer.
E - 02	No disc is inserted in the disc magazine.	Take out the magazine and insert a disc.
E - 04	The disc is dirty. The disc is inserted upside down.	Clean the disc. Insert the disc correctly.
E - 99	The ambient temperature is more than 50 °C.	Wait until the temperature goes below 50 °C.

If the above-mentioned solutions do not help to improve the situation, consult your nearest Sony dealer.

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