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SOUND STORM[®]
LABORATORIES

MULTI-SUBTITLE LANGUAGES FUNCTION
MULTI AUDIO LANGUAGES FUNCTION
MULTI-ANGLE FUNCTION
PARENTAL CONTROL
LAST POSITION MEMORY



DIGITAL MOBILE DVD / Mp3 / CD-R / RW
WITH WIRELESS REMOTE CONTROL

SOUND STORM[®]
LABORATORIES

User's Manual

SDVD-120

FEATURES

Compatible with PAL DVD (Video CD) and NTSC DVD (Video CD)

This player can play discs recorded in either PAL or NTSC format.

- A single LSI chip now integrates all major DVD playback circuit functions including MPEG2 decoder, video D/A converter, and audio decoders.
- L/R stereo analog audio outputs for connection to existing head unit aux inputs. Video output is composite video.
- Supplied remote handles multi-function software (multi-language audio-track/subtitle, multi-angle, multi-story, etc.), plus all basic functions.

USE THIS PRODUCT SAFELY

When Driving

Keep the volume level low enough to be aware of road and traffic conditions.

When Washing Your Car

Do not expose the product to water or excessive moisture. This could cause electrical shorts, fire or other damage.

When Parked

Parking in direct sunlight can produce very high temperatures inside your vehicle. Give the interior a chance to cool down before starting playback.

Use the Proper Power Supply

This product is designed to operate with a 12 volt DC, negative ground battery system (the regular system in a North American car).

Protect the Disc Mechanism

Avoid inserting any foreign objects into the slot of this player. Failure to observe this may cause malfunction due to the precise mechanism of this unit.

For Installation

The unit should be installed in a horizontal position with the front end up at a convenient angle, but not more than 30°.

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SAFETY INFORMATION

CAUTION:

MOBILE DVD PLAYER IS A CLASS I LASER PRODUCT. HOWEVER THIS MOBILE DVD PLAYER USES A VISIBLE/INVISIBLE LASER BEAM WHICH COULD CAUSE HAZARDOUS RADIATION EXPOSURE IF DIRECTED. BE SURE TO OPERATE THE MOBILE DVD PLAYER CORRECTLY AS INSTRUCTED.

USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

DO NOT OPEN COVERS AND - DO NOT REPAIR YOURSELF. REFER SERVICING TO QUALIFIED PERSONNEL.

WARNING:

- TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.
- TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, AND ANNOYING INTERFERENCE, USE ONLY THE RECOMMENDED ACCESSORIES.
- THIS DEVICE IS INTENDED FOR CONTINUOUS OPERATION.

This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended personal and other limited viewing unless authorized by Macrovision Corporation.

Region Management Information

Region Management Information:

This Mobile DVD Player is designed and manufactured to respond to the Region Management Information that is recorded on a DVD disc. If the Region number described on the DVD disc does not correspond to the Region number of this Mobile DVD Player, this Mobile DVD Player cannot play this disc.

DISC NOTES

Disc formats supported by this player



DVD
12 cm disc
(Single-sided disc only)



Video CD
12 cm disc



CD
12 cm disc



MP3
12 cm disc

Discs which cannot be played with this player

- DVD-ROM
- DVD-R/DVD-RAM
- CDV
- CD-G

Handling and Cleaning

- Dirt, dust, scratches and warping disc will cause misoperation.
- Do not place stickers or make scratches on discs.
- Do not warp discs.
- When not in use a disc should always be kept in its case to prevent damage.
- Do not place discs in the following places:
 1. Direct sunlight
 2. Dirty, dusty and damp areas
 3. Near car heaters
 4. On the seats or dashboard

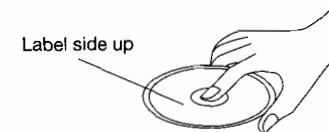
Disc Cleaning

Use a dry soft cloth to wipe the surface. If the disc is quite dirty, use a soft cloth slightly moistured with isopropyl (rubbing) alcohol. Never use solvents such as benzine, thinner or conventional record cleaners as they may mar the surface of the disc.

Note:

A disc may become somewhat scratched (although not enough to make it unplayable) depending on your handling of it and the surrounding environment.

Note these scratches are not an indication of any problem with the player.



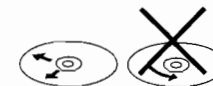
Label side up



Do not touch the underside of the disc



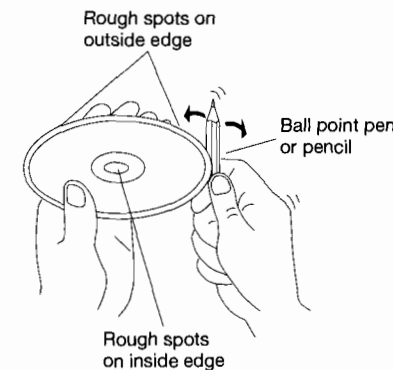
Do not bend



Wipe the disc from center toward the outside edge

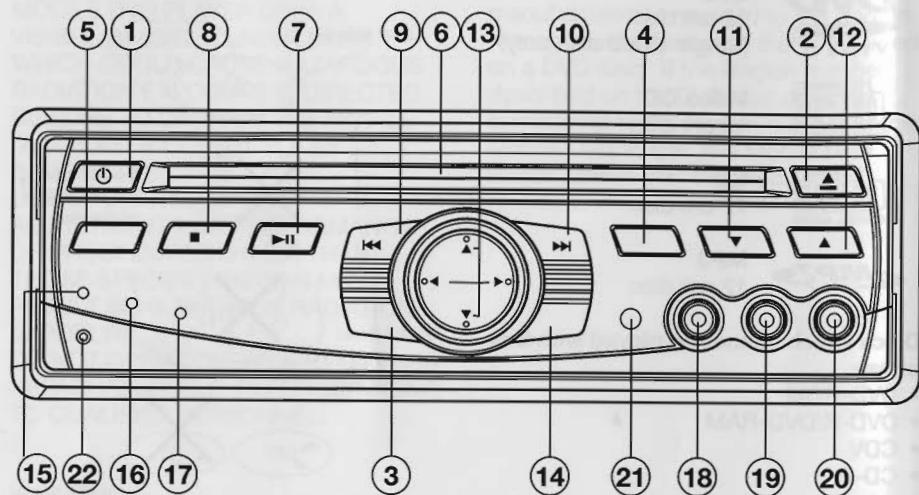
Preparing New Discs with Rough Spots

A new disc may have rough spots on the inner and outer edges. A disc with these rough spots or burrs may not play or at all. These rough spots can be removed using a pencil or ballpoint pen as shown below. Rub the side of the pen or pencil on the inner and outer edges of the disc. Be very careful not to touch the top or bottom disc surface with the pen or pencil.



THE PLAYER

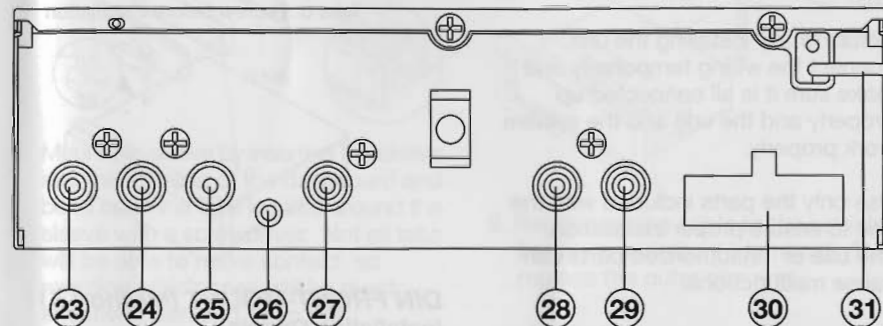
FRONT VIEW



- | | |
|---------------------|------------------------------------|
| 1. (POWER BUTTON) | 12. VOLUME▲ |
| 2. ▲ (EJECT BUTTON) | 13. ◀/▶, ▲/▼ |
| 3. SETUP | 14. ENTER |
| 4. AUDIO | 15. Indicator Light for DVD |
| 5. SOURCE | 16. Indicator Light for AV INPUT 1 |
| 6. DISC SLOT | 17. Indicator Light for AV INPUT 2 |
| 7. PLAY/PAUSE (▶) | 18. VIDEO IN 1 |
| 8. STOP (■) | 19. AUDIO IN 1 L |
| 9. PREV (◀◀) | 20. AUDIO IN 1 R |
| 10. NEXT (▶▶) | 21. IR |
| 11. VOLUME▼ | 22. RESET BUTTON |

THE PLAYER

BACK VIEW



- | | |
|---------------------|------------------|
| 23. VIDEO 2 INPUT | 28. VIDEO OUT 1 |
| 24. AUDIO INPUT 2 L | 29. VIDEO OUT 2 |
| 25. AUDIO INPUT 2 R | 30. 14PIN SOCKET |
| 26. REMOTE SOCKET | 31. SUBWOOFER |
| 27. DIGITAL AUDIO | |

INSTALLATION

Notes:

- Choose the mounting location where the unit will not interfere with the normal driving function of the driver.
- Before finally installing the unit, connect the wiring temporarily and make sure it is all connected up properly and the unit and the system work properly.
- Use only the parts included with the unit to ensure proper installation. The use of unauthorized parts can cause malfunctions.
- Consult with your nearest dealer if installation requires the drilling of holes or other modifications of the vehicle.
- Install the unit where it does not get in the driver's way and cannot injure the passenger if there is a sudden stop, like an emergency stop.
- If installation angle exceeds 30° from horizontal, the unit might not give its optimum performance.



- Avoid installing the unit where it would be subject to high temperature, such as from direct sunlight, or from hot air, from the heater, or where it would be subject to dust, dirt or excessive vibration.

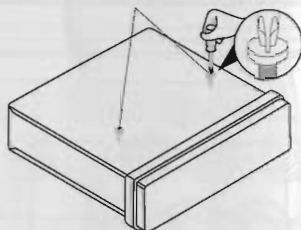
DIN FRONT/REAR-MOUNT

This unit can be properly installed either from "Front" (conventional DIN Front-mount) or "Rear" (DIN Rear-mount installation, utilizing threaded screw holes at the sides of the unit chassis). For details, refer to the following illustrated installation methods.

TAKE OUT SCREW BEFORE INSTALLATION

Before install the unit, please remove the two screws.

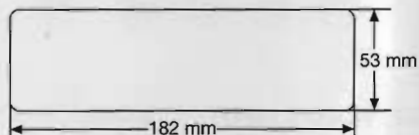
Take out screw before installation



DIN FRONT-MOUNT (Method A)

Installation Opening

This unit can be installed in any dashboard having an opening as show below:

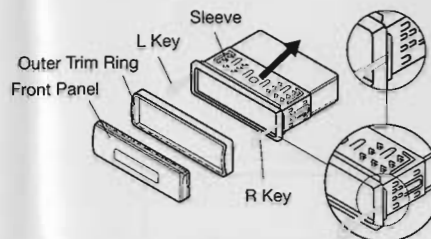


Installing the unit

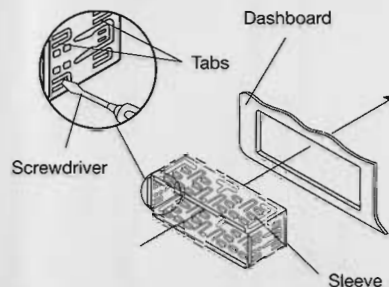
Be sure you test all connections first, and then follow these steps to install the unit.

1. Make sure the ignition is turned off, and then disconnect the cable from the vehicle battery's negative (-) terminal.
2. Disconnect the wire harness and the antenna.
3. Lift the top of the outer trim ring then pull it out to remove it.
4. The two supplied keys release tabs inside the unit's sleeve so you can remove it. One key is for the right side and the other is for the left side. Insert the keys as far as they will go (with the notches facing up) into the appropriate slots at the middle left and right sides of the unit. Then slide the sleeve off the back of the unit.

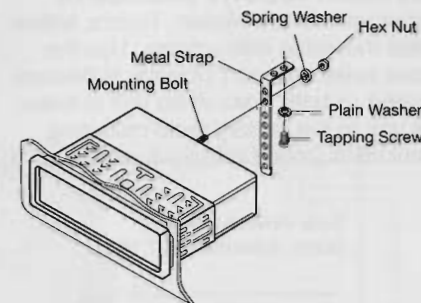
INSTALLATION



5. Mount the sleeve by inserting the sleeve into the opening of the dashboard and bend open the tabs located around the sleeve with a screwdriver. Not all tabs will be able to make contact, so examine which ones will be most effective. Bending open the appropriate tabs behind the dashboard to secure the sleeve in place.



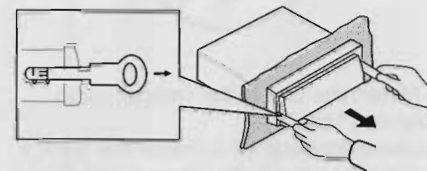
6. Reconnect the wire harness and the antenna and be careful not to pinch any wires or cables.
7. Slide the unit into the sleeve until it locks into place.
8. To further secure the unit, use the supplied metal strap to secure the back of the unit in place. Use the supplied hardware (Hex Nut (M5mm) and Spring Washer) to attach one end of the strap to the mounting bolt on the back of the unit. If necessary, bend the metal strap to fit your vehicle's mounting area. Then use the supplied hardware (Tapping Screw (5x25mm) and Plain Washer) to attach the other end of metal strap to a solid metal part of the vehicle under the dashboard. This strap also helps ensure proper electrical grounding of the unit.



9. Reconnect the cable to the vehicle battery's negative (-) terminal. Then replace the outer trim ring.

Removing the unit

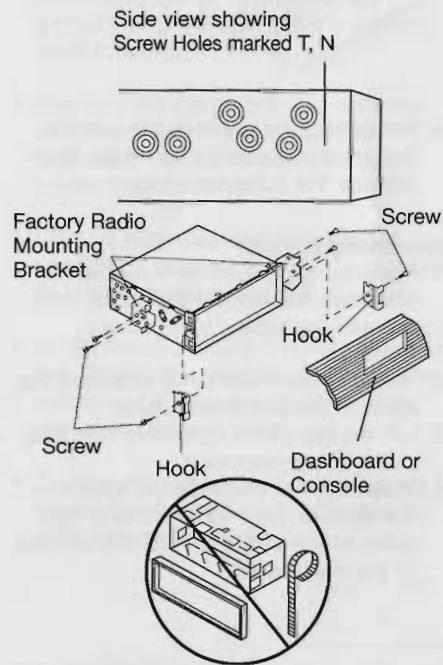
1. Make sure the ignition is turned off, and then disconnect the cable from the vehicle battery's negative (-) terminal.
2. Remove the metal strap attached the back of the unit (if attached).
3. Lift the top of the outer trim ring then pull it out to remove it.
4. Insert both of the supplied keys into the slots at the middle left and right sides of the unit, then pull the unit out of the dashboard.



INSTALLATION

DIN REAR-MOUNT (Method B)

If your vehicle is a Nissan, Toyota, follow these mounting instructions. Use the screw holes marked T (Toyota), N (Nissan) located on both sides of the unit to fasten the unit to the factory radio mounting brackets supplied with your vehicle.

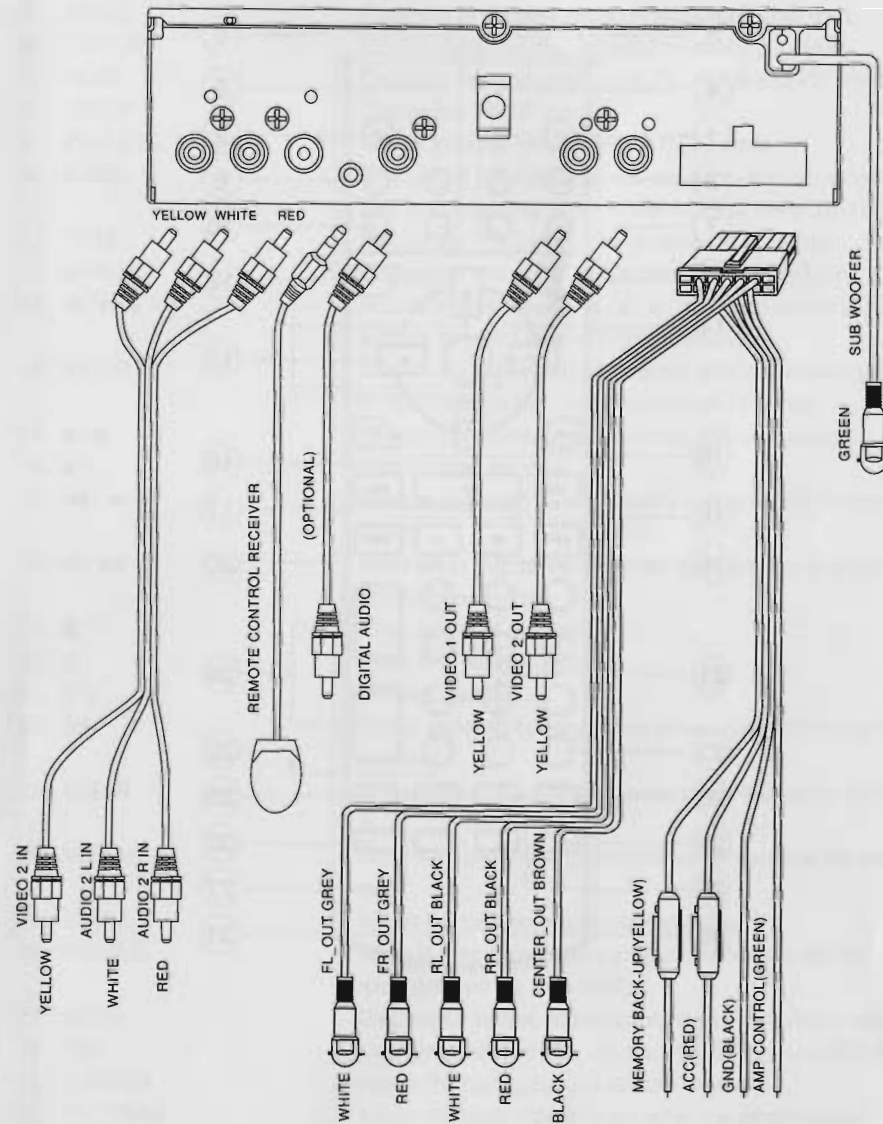


To fasten the unit to the factory radio mounting brackets.

1. Use a screwdriver to loose the hook's screws on the front left and right sides of the unit and remove the hooks.
2. Align the screw holes on the bracket with the screw holes on the unit, and then tighten the screws (5x5mm) on each side.
3. Fasten with the supplied truss screws (5 x 5 mm) or flush surface screws (4 x 5 mm), depending on the shape of the screw holes in the bracket.

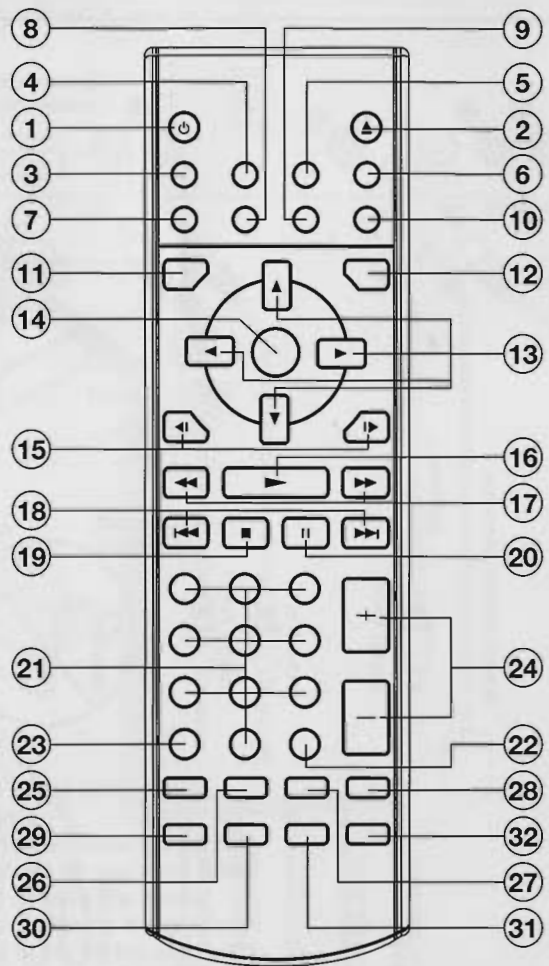
Note: the outer trim ring, sleeve and the metal strap are not used for method B installation.

ELECTRIC CONNECTION



REMOTE CONTROL

LOCATION AND FUNCTION OF KEYS



REMOTE CONTROL

1. POWER Press POWER to turn the unit ON or OFF.
2. EJECT Press to eject the disc.
3. MUTE Press to mute the sound.
4. SUBTITLE Changing of the SUBTITLE language on multi-subtitle language DVD disc.
5. ANGLE Changing of the view angle on multi-angle DVD disc.
6. DISPLAY Display statistical disc information during playback.
7. MODE Changing between DVD mode, AV1 mode and AV2 mode.
8. SETUP Display the SETUP menu.
9. PAL/NTSC Switch between PAL mode and NTSC mode.
10. AUDIO Changing of the AUDIO soundtrack on multi-audio soundtrack DVD disc. Changing of the sound mode of the VCD/CD discs.
11. TITLE Display the TITLE menu that is stored in DVD disc.
12. MENU Display the root menu that is stored on the DVD disc.
13. In case of MENU mode, / buttons served as cursor buttons to select item left/right, ahead/back.
14. ENTER Confirm the Track/Chapter selected with the numeric buttons or selected with the cursor buttons on TV screen.
15. Changing for slow forward/ reverse playback motion.
16. Press to play the disc.
17. Press to search forward rapidly & to search reverse rapidly.
18. Press to skip to the next track & press to skip back one track.
19. Press it to stop playback.
20. Press it to pause playback.
21. 0-9 Numeric buttons
22. 10+ Digital selecting button, cooperatively used with numeric buttons.
23. CLEAR When you input a number in error, press the button to clear it.
24. VOLUME+/- Press VOLUME+/- button to increase or decrease the volume level.
25. ZOOM Allows the picture to be increased in size.
26. RESUME When in stop mode, press the button, the play can be resumed from the stop point.
27. GOTO Disc search button, cooperatively used with numeric buttons.
28. PBC Changing between PBC ON and PBC OFF on the VCD disc.
29. RANDOM Allows the track played in random order.
30. PROGRAM Allows the track played in the order you programmed.
31. REPEAT Switch the Repeat mode of discs.
32. A-B A-B repeat allows a passage to be repeated continuously.

REMOTE CONTROL

Preparing the Remote Control

Inserting the Batteries

1. Open the battery compartment cover.
 2. Insert the new batteries. Make sure that the positive and negative terminals of the batteries are oriented indicated.
 3. Close the cover
- Battery: Two AAA size battery.

Using the Remote Control

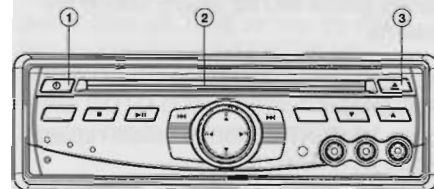
Face the remote control towards the player front face **IR** mark (21) (remote sensor).

Operation angle: About ± 30 degree in each the direction of the front of the IR mark.

LOADING / EJECTING A DISC

LOADING A DISC

1. Turn the ignition on to the accessory position.
2. Press the **POWER** button (1).
3. Insert the disc with printed side facing up into the disc slot (2).
4. The player starts playback automatically.



EJECTING A DISC

Press **EJECT** button (3) to eject the disc.

BASIC PLAY

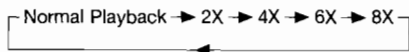
STOPPING PLAY

- Briefly press the **STOP** button to stop the unit playback, when the **PLAY** button is pressed, normal playback will continue.
- Press **STOP** button twice to stop the playback and go back to initial Track/Chapter.

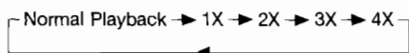
RAPID FORWARD/RAPID REVERSE

Press **FF** & **REW** button during play. Each time the button is pressed, the speed of rapid forward/reverse changes according to the disc as follow.

DVD:



VCD/CD:



MP3:



SKIPPING TRACK

Press **SKIP** / **SKIP** buttons on the remote control or on the front panel during playback.

Press **SKIP** to skip to next track, and **SKIP** to back one track.

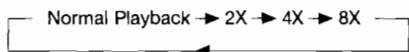
Note: For some VCD2.0 discs (PBC-playback control), **SKIP** / **SKIP** buttons may be unavailable.

SLOW MOTION PLAY

Press **SL** / **SL** during play.

Each time the button is pressed, the speed of slow forward/reverse changes according to the disc as follow.

DVD:



PAUSE (still picture)

Press **II** on the remote control or **II** on the front panel during playback will stop play temporary. To return to normal playback, press **▶** on the remote control or **II** on the front panel.

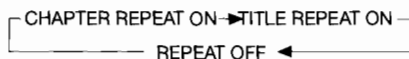
MUTE

Will mute the sound, but the disc continues playing. When you unmute the sound (press **MUTE** again), sound will resume.

REPEAT

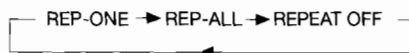
FOR DVD:

Press **REPEAT** button to select repeat mode as follow:



FOR VCD/CD:

Press the **REPEAT** button to select repeat mode as follow.



1. Continuously repeat at the current chapter/track, when selected REP-ONE mode.
2. Select REP-ALL mode to continuously repeat all chapter/track on the current disc.
3. When the player finishes playback of the current disc last chapter/track, it will stop and display the elapsed time. When REPEAT OFF mode is selected, REP-ONE & REP-ALL disappears from screen display.
4. REPEAT feature not support VCD2.0 (with PBC ON).

A-B

A-B repeat allows a passage to be repeated continuously. Press **A-B** button at the start of the required passage, then press **A-B** button again at the end of the passage. To revert to normal playing, press **A-B** button again. Each time the button is pressed, the screen will display as follows:

A TO B SET A -> A TO B SET B -> A TO B CANCELLED

Disc Search (GOTO)

FOR DVD

Press **GOTO** button twice, the screen will display the following message:

TITLE 01/01 TIME --:--:--
00:00:25

You can select the item you want to watch through TIME setting by using numeric buttons and ENTER key.

FOR CD/VCD (WITH PBC OFF):

Press **GOTO** button once, the screen will display the following message:

GO TO --:--
00:00:25

Use numeric buttons to input the time directly.

ZOOM

Allows the picture to be increased in size. Press **ZOOM** to toggle among 1.5 scale, 2.0 scale and 3.0 scale.

During Zoom mode, press **◀/▶**, **▲/▼** buttons to move pictures up, down, left or right direction.

RANDOM

In stop and PBC OFF mode, press **RANDOM** button, track selection will be made in random order. The display screen will show "SHUFFLE ON". Press **RANDOM** button again in stop mode, "SHUFFLE OFF" appears and release the mode.

PROGRAM

In stop mode, press **PROGRAM** button, the screen will display "PROGRAM P00:00". For example: press numeric button 4 and **▶** button, "PROGRAM P01:04" appears. It means track 4 will be played first.

MODE SELECTION

Press **SOURCE** button on the front panel of the unit or **MODE** button on the remote control to select among DVD, AV1 and AV2 mode. When select one mode, the corresponding indicator on the front panel will be illuminated.

Volume Level Adjustment

Press **VOLUME ▲/▼** on the front panel or **VOLUME +/-** on the remote control to increase or decrease the volume level.

Remote Sensor (IR)

Point the remote handset to the remote sensor **IR** on the front panel. Receive the signal from remote handset.

Turning the player on/off

Press the **POWER** button on the front panel or on the remote control to turn the player on or off.

RESET

RESET button is placed on the front panel and must be activated with either a ballpoint pen or thin metal object. The reset button is to be activated for the following reasons:

- Initial installation of the unit when all wiring is completed.
- All the function buttons do not operate.
- Error symbol on the display.

OPERATION

ON-SCREEN DISPLAY FUNCTION

Press the **DISP** button (16) during playback to display the contents of the current disc on the screen.

Example:

DVD:

(1) Press **DISPLAY** for the first time:

TITLE 01/03 CHAPTER 002/025
00:02:25

Title Number, Total Title Number, Chapter Number, Total Chapter Number of this Title of the disc currently being played will be shown on the fluorescent display, along with the elapsed time.

(2) Press **DISPLAY** for the second time:

TITLE REMAIN
01:46:58

(3) Press **DISPLAY** for the third time:

CHAPTER ELAPSED
00:00:24

(4) Press **DISPLAY** for the fourth time:

CHAPTER REMAIN
00:01:39

(5) Press **DISPLAY** for the fifth time:
The message on the screen will be cleared.

VCD:

1) Press **DISPLAY** for the first time:

SINGLE ELAPSED
00:00:25

2) Press **DISPLAY** for the second time:

SINGLE REMAIN
00:03:15

(3) Press **DISPLAY** for the third time:

TOTAL ELAPSED
00:00:25

(4) Press **DISPLAY** for the fourth time:

TOTAL REMAIN
00:40:35

5) Press **DISPLAY** for the fifth time:
The message on the screen will be cleared.

CD:

(1) Press **DISPLAY** for the first time:

SINGLE ELAPSED
00:00:25
TOTAL TRACK:14
TRACK:-01

(2) Press **DISPLAY** for the second time:

SINGLE REMAIN
00:03:15
TOTAL TRACK:14
TRACK:-01

(3) Press **DISPLAY** for the third time:

TOTAL ELAPSED
00:00:25
TOTAL TRACK:14
TRACK:-01

(4) Press **DISPLAY** for the fourth time:

TOTAL REMAIN
00:40:35
TOTAL TRACK:14
TRACK:-01

OPERATION

(5) Press **DISPLAY** for the fifth time:

The message on the screen will be cleared.

MP3 (when set to NO MENU in SMART NAV item):

(1) Press **DISPLAY** for the first time:

CHAPTER ELAPSED 00:00:25
TOTAL TRACK:123
TRACK:-01

2) Press **DISPLAY** for the second time:

CHAPTER REMAIN 00:04:25
TOTAL TRACK:123
TRACK:-01


(3) Press **DISPLAY** for the third time:
The message on the screen will be cleared.

MULTI-AUDIO FUNCTION

DVD:

Press **AUDIO** button on the remote control or on the front panel during playback. Each time the button is pressed, number of the audio soundtrack language changes on sequential order.

Notes:

- The language number is different according to the disc.
- Some discs only contains one language soundtrack.
- When no different language soundtrack are recorded,  will be displayed at screen left top corner.

VCD/CD:

Press **AUDIO** during playback. It is possible to switch the sound between monoaural and stereo sound.

→ MONO LEFT → MONO RIGHT → STEREO

MENU FUNCTION

Press the **MENU** button while the disc is playing: the disc menu will be displayed. You can navigate with the remote control navigation keys and select a feature using the **ENTER** key.

TITLE MENU FUNCTION (FOR DVD ONLY)


If the DVD has multiple titles recorded on the disc, you can select your preferred title from the title menu to start playback.

1. Press **TITLE** during playback. The title menu is displayed.
2. Press the buttons to move the cursor shown on the TV screen, select your preferred title using the cursor buttons and confirm using the **ENTER** key.

MULTI-LANGUAGE SUBTITLE FUNCTION (FOR DVD ONLY)

Press **SUBTITLE** during playback. Each time the button is pressed, the number of the subtitle language changes in sequential order.


Notes:

- The language number is different on each disc.
- Some discs only contain one subtitle language.
- When no different subtitle languages are recorded,  will be displayed in the top left corner of the screen.

MULTI-ANGLE FUNCTION (FOR DVD ONLY)

Press **ANGLE** during playback. Each time the button is pressed, the angle number changes in sequential order.

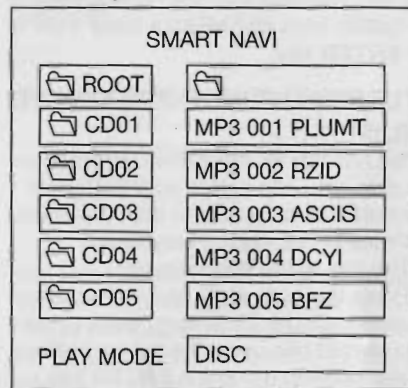
Notes:

- The angle numbers are different on each disc.
- The function only work with discs having scenes recorded at different angles.
- When no different angles are recorded,  will be displayed at screen left top corner.

MP3 DISC PLAY

MP3 disc is playing as the format of FOLDER.

For example:



In stop mode, use ▲/▼, ◀/▶ on the remote control to select the item or folder (such as CD01, CD02...), and press **ENTER** button on the remote control to confirm, then select the desired track (such as 001 PLUMT, 002 RZID...) on the current folder to play.

Pressing **REPEAT** button repeatedly can select three kinds of repeat play mode. **REP-ONE**:

Play the same song over and over again.

FOLDER REP:

Play all songs in the current directory in sequence, over and over again.

FOLDER:

Play all songs in the current directory once.

When **PLAY MODE** is selected, press ▲/▼ to change between the following mode:

SINGLE → REP-ONE → FOLDER → FOLDER REP →

DISC SCAN → DISC → DISC REP →

SHUFFLE ON → PROGRAM PXXX

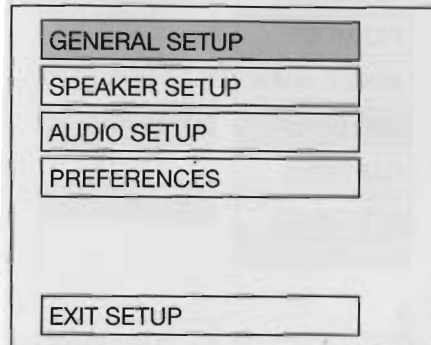
During playback, use ▶▶ or ◀◀ to skip an item ahead or back.

◀◀ : Rapid reverse, ▶▶ : Rapid advance

Note: The **FOLDER** cannot be selected during playing. It can be selected after ■ (Stop) button pressed.

INITIAL SETUP

SETUP MENU --- MAIN PAGE



1. Press **SETUP** in the stop mode. (Press the stop button twice to ensure that the player is in STOP mode.)

2. The initial SETUP menu is displayed.

3. Select the preferred item by using the ▲/▼ buttons.

4. Press **ENTER** button.

a. **GENERAL SETUP**

This setup page includes all the item of TV display & audio output feature. For details please refer to **GENERAL SETUP MENU**.

b. **SPEAKER SETUP**

This is to activate the audio output from DOLBY AC3 5.1 DOWNMIX to 2 channel mode. Please refer to **SPEAKER SETUP MENU**.

c. **AUDIO SETUP**

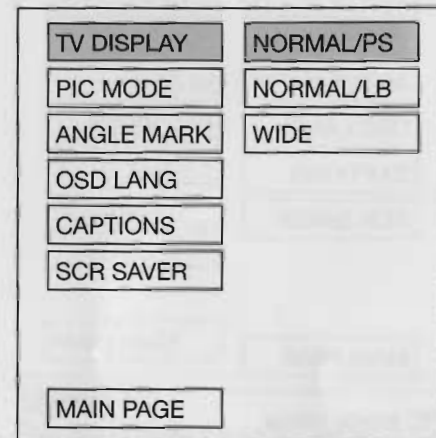
This setup page includes all the items for AUDIO. Please refer to **AUDIO SETUP MENU**.

d. **PREFERENCES SETUP**

This setup page includes all the configuration of support feature. For details please refer to **PREFERENCES SETUP MENU**.

GENERAL SETUP

--- GENERAL PAGE ---



Video Material	TV Screen			
	4:3	Pan Scan		Wide (16:9)
4:3				
16:9				

TV display setup

This is to select the appropriate TV aspect (4:3 or 16:9) according to the connected TV set.

Normal/PS (For 4:3 TV)

Played back in the PAN & SCAN style. (If connected to wide-screen TV, the left and right edges are cut off.)

Normal/LB (For 4:3 TV)

Played back in letterbox style. (If connected to wide-screen TV, black bands appear at top and bottom of the screen.)

Wide (For 16:9 TV)

Select when a wide-screen TV set is connected.

SETUP

--- GENERAL PAGE ---

TV DISPLAY	
PIC MODE	AUTO
ANGLE MARK	HI-RES
OSD LANG	N-FLICKER
CAPTIONS	
SCR SAVER	
MAIN PAGE	

PIC mode setup

Select AUTO, the player PIC mode will depend on DVD disc.


Select HI-RES format for best image resolution.

Select N-FLICKER format on image or picture with noise or distortion.

--- GENERAL PAGE ---

TV DISPLAY	
PIC MODE	
ANGLE MARK	ON
OSD LANG	OFF
CAPTIONS	
SCR SAVER	
MAIN PAGE	

ANGLE MARK display setup

If it is set to ON, when the multi-angle DVD disc is playing,  (the angle mark) will appear on the screen; if it is set to OFF, the mark will not appear.

--- GENERAL PAGE ---

TV DISPLAY	
PIC MODE	
ANGLE MARK	
OSD LANG	ENGLISH
CAPTIONS	
SCR SAVER	
MAIN PAGE	

OSD LANG type

--- GENERAL PAGE ---

TV DISPLAY	
PIC MODE	
ANGLE MARK	
OSD LANG	
CAPTIONS	ON
SCR SAVER	OFF
MAIN PAGE	

CAPTIONS setup

When play DVD disc, activate the CAPTIONS feature by selecting ON and the captions (such as the actor dialogue) appear on the screen; deactivate this feature by selecting OFF and the captions will not appear.

SETUP

--- GENERAL PAGE ---

TV DISPLAY	
PIC MODE	
ANGLE MARK	
OSD LANG	
CAPTIONS	
SCR SAVER	ON
	OFF
MAIN PAGE	

SCR SAVER setup

Select the SCR SAVER output ON/OFF.

SPEAKER SETUP

--- SPEAKER SETUP PAGE ---

DOWNMIX	LT/RT
CENTER	STEREO
REAR	VSS
SUBWOOFER	OFF
CNTR DELAY	
REAR DELAY	
TEST TONE	
MAIN PAGE	

DOWNMIX

- Select the LT/RT to activate the Dolby surround compatible output.
- Select the STEREO to activate simple stereo mode.
- Select the VSS to activate the Virtual Surround Sound Output.
- When select LT/RT, STEREO and VSS, other items expect DOWNMIX turn grey and can't be used currently.
- Select the OFF to disable DOWNMIX.

--- SPEAKER SETUP PAGE ---

DOWNMIX	
CENTER	ON
REAR	OFF
SUBWOOFER	
CNTR DELAY	
REAR DELAY	
TEST TONE	
MAIN PAGE	

CENTER

This is to activate the center speaker audio output ON or OFF. When set it to OFF, the CNTR DELAY item turns grey and can't be used.

SPEAKER SETUP

--- SPEAKER SETUP PAGE ---

DOWNMIX	
CENTER	
REAR	ON
SUBWOOFER	OFF
CNTR DELAY	
REAR DELAY	
TEST TONE	
MAIN PAGE	

REAR

This is to activate the rear speaker audio output ON or OFF. When set it to OFF, the REAR DELAY item turns grey and can't be used.

SETUP

--- SPEAKER SETUP PAGE ---

DOWNMIX	
CENTER	
REAR	
SUBWOOFER	ON
CNTR DELAY	OFF
REAR DELAY	
TEST TONE	
MAIN PAGE	

SUBWOOFER

This is to set the subwoofer output ON or OFF.

--- SPEAKER SETUP PAGE ---

DOWNMIX	
CENTER	
REAR	
SUBWOOFER	
CNTR DELAY	
REAR DELAY	15MS
TEST TONE	
MAIN PAGE	

REAR DELAY

Select REAR DELAY and adjust the delay time for rear speaker audio output from 0 to 15 MS.

--- SPEAKER SETUP PAGE ---

DOWNMIX	
CENTER	
REAR	
SUBWOOFER	
CNTR DELAY	5MS
REAR DELAY	
TEST TONE	
MAIN PAGE	

CNTR DELAY

Select CNTR DELAY and adjust the delay time for center speaker audio output from 0 to 5 MS.

--- SPEAKER SETUP PAGE ---

DOWNMIX	
CENTER	
REAR	
SUBWOOFER	
CNTR DELAY	
REAR DELAY	
TEST TONE	ON
MAIN PAGE	

TEST TONE

When set it to ON, the unit will automatically test the tone from the speakers according to your setting in other items. When set it to OFF, it will release the function.

SETUP

AUDIO SETUP

--- AUDIO SETUP ---

AUDIO	ANALOG
OP MODE	SPDIF/RAW
DYNAMIC	SPDIF/PCM
LPCM	
MAIN PAGE	

AUDIO OUT

- Select ANALOG mode to activate analog audio output.
- Select SPDIF/RAW mode to activate raw digital audio output. And the digital audio format depends on the disc record format.
- Select SPDIF/PCM mode to activate PCM digital audio output.

--- AUDIO SETUP ---

AUDIO	
OP MODE	LINE OUT
DYNAMIC	RF REMOD
LPCM	
MAIN PAGE	

OP MODE

- LINE OUT: Line out mode, with digital dialog normalization.
- RF REMOD: RF remodulation Mode, with heavy compression and digital dialog normalization. It is recommended to select LINE OUT mode.

--- AUDIO SETUP ---

AUDIO	
OP MODE	
DYNAMIC	6/8
LPCM	4/8
MAIN PAGE	

Dynamic Range Control

Select DYNAMIC and adjust the dynamic range of a Dolby Digital encoded program. There are 8 steps between full compression and off compression.

--- AUDIO SETUP ---

AUDIO	
OP MODE	
DYNAMIC	
LPCM	LPCM 48K
MAIN PAGE	

LPCM OUTPUT

Selecting LPCM (Line Pulse Code Modulation) OUTPUT between LPCM 48K and LPCM 96K. The difference between LPCM 48K and LPCM 96K lies in the sampling frequency. The higher the frequency is, the better the output audio quality is. It is recommended to select LPCM 96K.

PREFERENCES SETUP

--- PREFERENCES PAGE ---

TV TYPE	AUTO
AUDIO	NTSC
SUBTITLE	PAL
DISC MENU	
PARENTAL	
PASSWORD	
DEFAULTS	
SMART NAV	
MAIN PAGE	

--- PREFERENCES PAGE ---

TV TYPE	ENGLISH
AUDIO	FRENCH
SUBTITLE	SPANISH
DISC MENU	CHINESE
PARENTAL	JAPANESE
PASSWORD	OFF
DEFAULTS	
SMART NAV	
MAIN PAGE	

SUBTITLE language setup

Select the preferred SUBTITLE language by using the cursor buttons.

TV type setup

This player can play discs recorded in either PAL or NTSC format.

Select NTSC format, when the unit is connected to NTSC TV.

Select PAL format, when you connected to PAL TV.

Select AUTO format, the player TV output format will be according to the DVD disc format.

--- PREFERENCES PAGE ---

TV TYPE	
AUDIO	ENGLISH
SUBTITLE	FRENCH
DISC MENU	SPANISH
PARENTAL	CHINESE
PASSWORD	JAPANESE
DEFAULTS	
SMART NAV	
MAIN PAGE	

--- PREFERENCES PAGE ---

TV TYPE	ENGLISH
AUDIO	FRENCH
SUBTITLE	SPANISH
DISC MENU	CHINESE
PARENTAL	JAPANESE
PASSWORD	
DEFAULTS	
SMART NAV	
MAIN PAGE	

DISC MENU language setup

Select the preferred DISC MENU language by using the cursor buttons.

AUDIO language setup

Select the preferred AUDIO soundtrack by using the cursor buttons.

--- PREFERENCES PAGE ---

TV TYPE	1 G
AUDIO	2
SUBTITLE	3 PG
DISC MENU	4 PG 13
PARENTAL	5
PASSWORD	6 PG - R
DEFAULTS	7 NC - 17
SMART NAV	8 ADULT
	NO_PARENTAL
MAIN PAGE	

PARENTAL

Select suitable parental guidance by the cursor buttons and confirm by pressing ENTER button.

--- PREFERENCES PAGE ---

TV TYPE	
AUDIO	
SUBTITLE	
DISC MENU	
PARENTAL	
PASSWORD	CHANGE
DEFAULTS	
SMART NAV	
MAIN PAGE	

PASSWORD

Select CHANGE and press ENTER button. Type the old password (The initial factory code is 3308) and key in 4 characters password now you want to use, and retype again to confirm key in correctly.

--- PREFERENCES PAGE ---

TV TYPE	
AUDIO	
SUBTITLE	
DISC MENU	
PARENTAL	
PASSWORD	
DEFAULTS	RESET
SMART NAV	
MAIN PAGE	

DEFAULTS

Select RESET to revert to factory initial settings.

--- PREFERENCES PAGE ---

TV TYPE	
AUDIO	
SUBTITLE	
DISC MENU	
PARENTAL	
PASSWORD	
DEFAULTS	NO MENU
SMART NAV	WITH MENU
MAIN PAGE	

SMART NAV

If select WITH MENU, when play a MP3 disc, the smart navigation menu will appear on the screen, then the user can select a track to play according to the menu hint.

If select NO MENU, when play a MP3 disc, there is no menu to display and it starts to play directly.

The user can adjust this item according to one's need.

SETUP

DEFAULTS TABLE

General Setup	TV Display	Normal/PS
	PIC Mode	AUTO
	Angle Mark	ON
	OSD Language	English
	Captions	ON
	SCR Saver	ON
Speaker Setup	Downmix	OFF
	Center	ON
	Rear	ON
	Subwoofer	ON
	Cntr Delay	OFF
	Rear Delay	OFF
	Test Tone	OFF
Audio Setup	Audio Out	SPDIF/RAW
	OP Mode	Line Out
	Dynamic	FULL
	LPCM Output	LPCM 96K
Preferences	TV Type	AUTO
	Audio	English
	Subtitle	English
	DISC Menu	English
	Parental	NO_PARENT
	Password	3308
	Smart NAV	With Menu

TROUBLE SHOOTING

If it appears that your DVD unit is faulty, first consult this checklist. It may be that something simple has been overlooked.

Under no circumstances should you try to repair the player yourself, as this will invalidate the warranty. Only qualified service personnel can remove the cover or service this player.

NO POWER

- Check if the on/off button on the front of the player is set to on.
- Check if AC or DC power plug of the mains unit is properly connected.
- Check if there is power at the AC or DC outlet.

NO PICTURE

- Check if the monitor or TV is switched on.
- Select the correct AV input on the monitor or TV.
- Check the video connection.

DISTORTED PICTURE

- Check the disc for fingerprints and clean with soft cloth, wiping from centre to edge.
- Sometimes a small amount of picture distortion may appear. This is not a malfunction.

COMPLETELY DISTORTED PICTURE

- The disc format is not according to the TV-set used (PAL/NTSC).

NO COLOR IN PICTURE

- The disc format is not according to the TV-set used (PAL/NTSC).

DISC DOES NOT PLAY

- Ensure the disc label is upwards.
- Clean the disc.
- Check if the disc is defective by trying another disc.

NO SOUND

- Check audio connections.
- If using a HIFI amplifier, try another sound source.

DISTORTED SOUND FROM HIFI AMPLIFIER

- Check to make sure that no audio connections are made to the amplifier phono input.

NO RETURN TO START-UP SCREEN WHEN DISC IS REMOVED

- Press POWER to turn off the unit, then press it again to turn on the unit.
- Press Reset button on the front of the DVD unit.

THE PLAYER DOES NOT RESPOND TO THE REMOTE CONTROL

- Aim the remote control directly at the sensor on the front of the player.
- Avoid all obstacles which may interfere with the signal path.
- Inspect or replace the remote control batteries.

DISTORTED OR B/W PICTURE

- The disc format is not according to the TV-set used (PAL/NTSC).

NO AUDIO AT DIGITAL OUTPUT

- Check the digital connections
- Check the Digital Audio menu to make sure that the digital output is correctly set.
- Check if the audio format of the selected audio language matches your receiver's capabilities.

BUTTONS DO NOT WORK

- Turn the player off and on with the power on/off button on the front of the player.
- Press Reset button on the front of the DVD unit.

SPECIFICATIONS

Supply voltage	: 12V DC (11V-15V), test voltage 14.4V, negative ground
Current consumption	: Less than 2A
Signal system	: Compositive video 1.0Vp-p 75 Ω
Discs played	: (1)DVD-VIDEO disc 5"(12 cm) single-sided, single-layer 5"(12 cm) single-sided, double-layer (2)Compact disc (CD-DA/CD-R/CD-RW/MP3) (3)5"(12 cm) VIDEO CD
Audio output level	: 10k Ω (2 ch 2.0 Vrms)
Audio signal output	
Characteristics	: (1)Frequency response: 20 Hz-20 kHz (2)S/N ratio: 80 dB (JIS) (3)Wow and Flutter Below measurable limits

Note:

Specifications and design are subject to modification, without notice, due to improvements in technology.