

Upgrade Instructions and Operation Manual Addendum

2010 HDD NAVIGATION UPGRADE DISC

CNDV-1000HD

This software upgrade will result in changes to certain features and availability of information. While the changes are intended to improve the overall user experience for most users, Pioneer and its licensors disclaim any warranty or liability for damages in connection with such changes.

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This package is unique, and cannot be installed on more than one unit.

Web-connected computer is required for online issuance of password.

English

Register your product at

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Precaution

- Read the entire manual before upgrading the program of your navigation system.
- The screens shown in the examples may differ from the actual screens. The actual screens may be changed without notice for performance and function improvements.

Models to be upgraded

This package can upgrade the software program and database of the following models: AVIC-Z1, AVIC-Z2, AVIC-Z3

Manual overview

This manual is a supplementary document that summarizes the points that will be renewed after upgrading your navigation system by using this package. The operations other than those described in this manual are basically the same as those at the time you purchased the hardware. Use the Operation Manual included in the hardware package as your primary reference.

For customers upgrading the hardware for the first time

For customers using AVIC-Z1

By upgrading the navigation system with this disc, the points described in this manual are changed.

For customers using AVIC-Z2 or AVIC-Z3

By upgrading the navigation system with this disc, following points are changed.

- Map database (including POI) and Gracenote® Database are renewed.

- ➡ For details of the updated data, refer to *Renewal data*.

- XM Satellite Radio in the lineup and icon of the broadcast station

The other operations are essentially the same as those at the time you purchased the hardware. Use the Operation Manual included in the hardware package as your primary reference.

For customers who have previously upgraded the hardware

For customers use the hardware upgraded by CNDV-700HD

Read the instruction relevant to AVIC-Z2.

For customers use the hardware upgraded by CNDV-800HD

Read the instruction relevant to AVIC-Z3.

For customers use the hardware upgraded by other upgrade packages

By upgrading the navigation system with this disc, followings are only updated.

- Map database (including POI) and Gracenote® Database are renewed.
 - ➡ For details of the updated data, refer to *Renewal data*.
- XM Satellite Radio in the lineup and icon of the broadcast station

Be sure to read the following descriptions

License agreement

This provides a license agreement of this software. Be sure to read this before using the software.

About the database

This provides some notes for the map database and the date when it was recorded.

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- The traffic regulation data used in the map database applies only to standard sized passenger vehicles. Note that regulations for larger vehicles, motorbikes, and other non-standard vehicles are not included in the database.
- Map Version, Tele Atlas. Rel. 09/2009.

Gracenote® Database

- Part of the data cannot be acquired. The contents of the data in the Gracenote® Database included in the hard disk drive are not 100 % guaranteed.
- The Gracenote® Database included in the hard disk drive contains the titles for the 300 000 most frequently accessed albums worldwide as of February 2010.
- Music recognition technology and related data are provided by Gracenote®.

Icons for XM Satellite Radio

The icon of each broadcast station is contained in the hard disk drive based on the data provided by XM Satellite Radio as of September 2009.

Any changes made by XM Satellite Radio in the lineup or icon of the broadcast station in the future may not be supported by the navigation system, and may cause the unit to display incorrect icons.

Failure to operate

- Should the navigation system fail to operate properly, contact your dealer or nearest authorized Pioneer Service Station.
- Do not lose the supplied Media Number Card (MEDIA NUMBER CARD). If the Media Number Card is lost, reissue of the Media Number (MEDIA NUMBER) is not possible. Also you must submit the Media Number Card when repairs are needed. The card is necessary as proof of authenticity if service is required (including recovery).

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Setting items to be deleted and initialized

The following settings and items are cleared or returned to the default settings after upgrade. (The settings and items not listed below will be retained.)

Map function

View mode and scale setting on the map, direction of the map

Route setting

Current route and guidance status

[Destination] menu

- The history of "Auto fill-in function" for cities and streets
- Sorting order selected in [Address Book]
- The settings of [Options]([Route Overview])

[Information] menu

[Traffic Settings], [My Favorites]

[Map] menu

All settings

[Settings] menu

[Volume], [Regional Settings] (except for [Language])

[Vehicle Dynamics]

Right and left gauge type, [Adjust Look]

Others

Learnt data used in [Learning Route]

The user data stored in the hard disk drive of the unit may be erased if unexpected error occurs during software installation. Pioneer is not responsible for any data loss or unavailability of user data.

Visit our website

Visit us at the following site:

<http://www.pioneerelectronics.com>

In Canada

<http://www.pioneerelectronics.ca>

- 1 Register your product. We will keep the details of your purchase on file to help you refer to this information in the event of an insurance claim such as loss or theft.
- 2 Receive updates on the latest products and technologies.
- 3 Download owner's manuals, order product catalogs, research new products, and much more.
- 4 Receive notices of software upgrades and software updates.

Preparation for upgrade

Checking the current version

You may need the version information to confirm completion of upgrade. Check the version information using the following procedure.

1 Press the MENU button to display the navigation menu.

2 Touch the key in the following order in the navigation menu.

[Settings] → [Hardware] → [Service Info Screen]

3 Press and hold left upper corner of the "Service Information" screen for a few seconds.

Checking the device number

First, check your device number (DEVICE NUMBER, displayed such as Device# or Device Number) of your navigation system for later procedures. To display the device number, do the following.

1 Turn your navigation system on.

2 Press the MENU button to display the navigation menu.

Navigation menu appears.

3 Touch the key in the following order in the navigation menu.

[Settings] → [Hardware] → [Service Info Screen]

4 Write down your device number (Device Number) onto the supplied Media Number Card (MEDIA NUMBER CARD) to avoid mistakes.

- Also write down "Version" information which would be used to confirm completion of the update.

Preparation for upgrade

Getting the password for authentication

For upgrade, an unique password issued online is necessary. Access the website with your PC and get your password.

The following information is required.

- Media Number (MEDIA NUMBER) printed on supplied Media Number Card (MEDIA NUMBER CARD)
- Device Number (DEVICE NUMBER) of your navigation system

If you don't have the web-connected computer for the online issuance of password, please contact your Authorized Pioneer Electronics retailer or call the companies listed at "After-sales service for Pioneer products".

1 Access on the following website to issue your password.

<http://www.pioneernavigationupdate.com>

In Canada:

<http://www.pioneernavigationupdate.ca>

For issuing the password, follow the instruction on the website.

2 Record the password that you received.

You need to input this password accurately.

Write down your password to avoid mistakes.

Instructions for upgrading

This section describes the upgrade procedures for your navigation system. The update has two phases.

Phase 1: Update the database



In this phase, take notice of the following:

- All functions other than the radio are disabled during update. You can perform simplified operations by using the **TRK** (◀/▶) button and **VOL** (▼/▲) button. (We recommend changing the AV source to "AM" or "FM" before you start the update.)
- The update takes approximately 3 hours in total.
- If you turn the ignition switch off (the navigation system turns off) or eject the upgrade disc, the update resumes when the navigation system turns on or the disc is reinserted.

Phase 2: Update the system program



In this phase, take notice of the following:

- No functions are available.
- The update takes approximately 10 minutes.

- NEVER stop the engine of your vehicle nor turn off the power supply to the navigation system until the installation is completed. Turning the power off in this phase causes a malfunction or failure of the navigation system.

Upgrade procedures

1 Park your vehicle in a safe place.

Leave the engine on, and make sure that the parking brake is applied.

2 Press the MAP button to display the current location.



Be sure to display the map of your current position. Updating cannot start if others screens, such as scroll mode, navigation menu or AV screens are displayed.

3 Press the OPEN CLOSE button and insert the upgrade disc into the disc loading slot.

CAUTION

For users who use AVIC-Z3 or use the hardware upgraded by CNDV-800HD, updating another software program will begin first.

While this screen is visible, NEVER switch the ignition key position or turn off the power of navigation system.



After the installation is complete, the navigation system restarts.

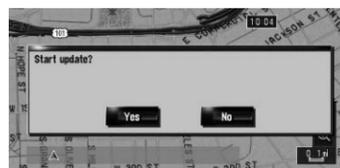
Check the details of the caution message and touch **[OK]**.

- The users who use other models can skip this caution and proceed to the next step.

The message confirming whether or not to start the update will appear.

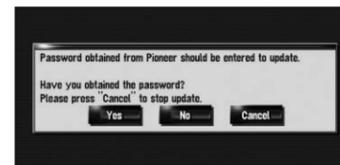
- If the message doesn't appear, eject the disc and display the map of your current position and then reinsert the disc.

4 Touch [Yes].



- To cancel the update, touch **[No]**.

5 Touch [Yes].



The message "Password obtained from Pioneer should be entered to update. Have you obtained the password?" Please press "Cancel" to stop update." appears.

To start the update, touch **[Yes]**.

Alternative options:

No:

Shows the device number (Device#) of your navigation system.

Cancel:

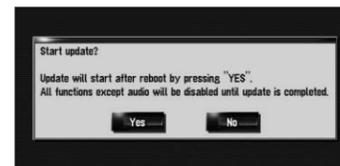
Cancels the update.

6 Enter the password for authentication that you obtained, then touch [OK].



After you touch **[OK]**, the system starts the authentication. When the authentication is finished properly, a message for confirmation will appear.

7 Touch [Yes] to start the update.



The navigation system restarts and then the installation begins.

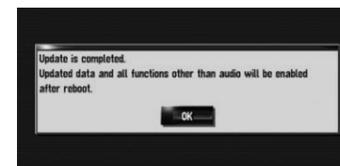
After you touch **[Yes]** in this screen, you cannot abort the update until the installation of the system program finishes.

The update takes approximately 3 hours in total.



When the update of map database is completed, the finished message appears.

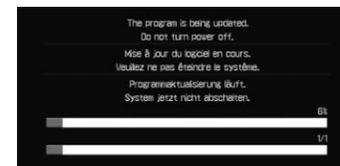
8 Touch [OK] to restart the system.



- After touching **[OK]**, the installation of system program begins.

CAUTION

While this screen is visible, NEVER switch the ignition key position or turn off the power of navigation system.



After the installation is complete, the navigation system restarts.

Renewed points through this upgrade

If you upgrade your navigation system by this disc, the system will have the following changes.

Renewal data

The following data are updated:

- Map database
- Gracenote® Database
- XM Satellite Radio in the lineup and icon of the broadcast station

POI data coverage

Approximately 11 million POIs are included in the database.

- For the modified categories that can be used on "Overlay POI", "Vicinity Search" and used on the voice recognition, refer to *Category list for vicinity search (Renewal)*.
- Some POI information may not be accurate or may become inaccurate through the passage of time. Please directly contact the POI to verify the accuracy of the information about the POI which appears in this database. POI information is subject to change without notice.

Keyboard operation

Input screen of "Address Search" and "POI Search"



Sym., 0-9:

Touch to toggle the selection.

Renewed points through this upgrade

Input screen for "Address Book", "Phone Book", "LIBRARY (Music Library)"



Others, 0-9:

Touch to toggle the selection.

Small, Caps.:

This is a new feature. Either lowercase or uppercase letters can be selected. Touch to toggle the selection.

Input screen for "Edit VIN" and "Edit Policy Number"



Small, Caps.:

This is a new feature. Either lowercase or uppercase letters can be selected. Touch to toggle the selection.

Time restrictions

This is a new feature. This setting controls whether streets or bridges have traffic restrictions during a certain time should be taken into account.

- If you want to set your route to avoid raised draw bridges, select "On".
- Settings marked with an asterisk (*) show that these are default or factory settings.

1 Touch the key in the following order in the navigation menu.

[Destination] → [Route Overview] → [Options]

- "Route Overview" is active only when the route is set.

2 Touch [Time restrictions] to change the route calculation conditions.



Touching this option switches the setting "On" or "Off".

On*:

Calculates a route while avoiding streets or bridges with traffic restrictions during a certain time.

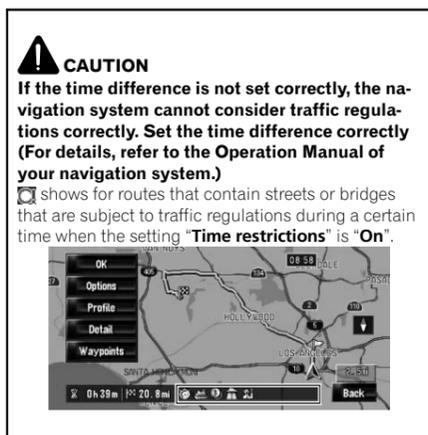
Off:

Calculates a route while ignoring traffic restrictions.

3 Touch [OK].

The route is recalculated, and the Route confirmation screen appears.

- The system may calculate a route that includes streets or bridges that are subject to traffic restrictions during a certain time even if "On" is selected.



2D Twin Map View and 3D Twin Map View

Either "2D Twin Map View" or "3D Twin Map View" can directly be selected in "View Mode Selection" screen.

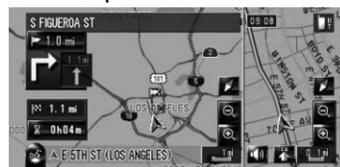
1 Press the MAP button to display a map of the area around your current position.

2 Press the MAP button again.

3 Touch the mode name to select the mode you want to display.



2D Twin Map View



The 2D map appears on the left screen.

3D Twin Map View



The 3D map appears on the left screen.

- Touching anywhere on the map changes the map to the Scroll mode.

Address Book Icon

You can select whether to display the icons for the entries of "Address Book" on the map.

- When you select "Address Book Icon Display" in "Short-Cut Selection", you can switch this setting with the shortcut menu.
- Settings marked with an asterisk (*) show that these are default or factory settings.

1 Touch the key in the following order in the navigation menu.

[Map] → [Displayed Info]

2 Touch [Address Book Icon].

Each time you touch the key changes that setting.

- On*:** Displays the icon on the map.
- Off:** Hides the icon from the map.

- Even if "Address Book Icon" is set to "Off", the alarm sounds when you approach the registered location and the set image pops up. To turn off the sound output and image pop up, select "No Sound" and "No Picture" for the entry.

- If you set . (dot), the registered name of that entry can be displayed on the map. The registered name does not appear if "Address Book Icon" is set to "Off".

3D Landmark

You can select whether to display the 3D landmark on the map.



- 3D landmark only appears when the view mode is "3D Twin Map View" and the map scale is set to 0.25 mile (200 m) or lower.

- Settings marked with an asterisk (*) show that these are default or factory settings.

1 Touch the key in the following order in the navigation menu.

[Map] → [Displayed Info]

2 Touch [3D Landmark].

Each time you touch the key changes that setting.

- On*:** Displays the 3D landmark on the map.
- Off:** Hides the 3D landmark on the map.

Traffic event icon and line

- Middle-sized icon is displayed on the map scale between 1 mile to 2.5 miles (2 km to 5 km).
- The traffic-related items can be shown on the detailed city map.

Browsing the XM special contents

The following features have been modified to enhance ease of operation.

Storing browsable information

XM special contents can be stored as "My Favorites" so that it can be accessed without searching every time an update is needed.

- The displayed items depend on the information that is sent from each station.
- "My Favorites" can store up to 50 items.

1 Touch [Information] in the navigation menu, then touch [Set My Favorites].

The screen will display a list of categories. The information appearing on screen is automatically updated at regular intervals.

2 Touch a category you want to browse from the list.



3 Touch an item you wish to store.



If an item is divided into more detail categories, select the one from the list to narrow down the category. After narrowing down, the message confirming whether or not to register the item will appear.

4 Touch [OK].



If the storing step is successful, the confirmation screen will appear.

Touch [OK] to complete the storing and return to the previous screen.

Displaying favorite browsable Information

You can check and delete the browsable information you registered.

1 Store the desired item (topic).

- ➔ For details, refer to *Storing browsable information*.

2 Touch [Information] in the navigation menu, and then touch [My Favorites].

A list of registered items (topics) appears on the screen.

3 Touch an item to display the contents.

The texts appear on each items show the process of storing in a hierarchical way.



Hands-free phoning

Device name

The default device name displayed on the cellular phone changes "PIONEER NAVI" to "PIONEER HDD NAVI". (If you already connected the Bluetooth unit, the name already set remains. If you restore the default setting, the device name becomes "PIONEER HDD NAVI".)

The display of an unknown user's call

Depending on the caller ID service, the phone number of the received call may not be displayed. [Unknown] appears instead in that case.

Editing the entry in "Phone Book"

You can edit [Pronunciation] to be used for voice recognition along with [Name], [Phone #], or [Picture].

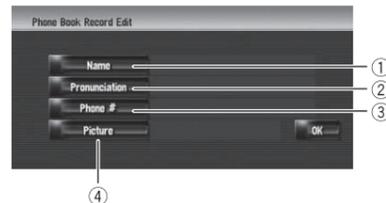
Renewed points through this upgrade

1 Touch [Information] in the Navigation menu, and touch [Phone Menu].

2 Touch [Phone Book].

3 Touch  or [Add].

The edit screen appears.



① Name

Enter the name to be displayed in the phone book. If you enter the name for new entry, you can select whether you use this entry as voice commands.

② Pronunciation

You can enter the desired pronunciation independently from the name. The registered pronunciation is used for voice recognition.

- Up to 40 characters can be input for the pronunciation.
- If **"Pronunciation"** is blank, you cannot use the item as a voice command.
- Depending on which language is being switched to, you may not be able to use the registered pronunciation without modification.

③ Phone #

These operations are the same as before upgrade.

④ Picture

These operations are the same as before upgrade.

Changing a name

1 Touch [Name], then touch [Yes].

The message confirming whether or not to register the entered name as voice command is displayed.

When not registering a name as a voice command, select **[No]**.

2 Enter a new name, then touch [OK].



The current name appears in the text box.

3 If the pronunciation is suitable, touch [Yes].

The details you set are registered, and **"Phone Book Record Edit"** screen appears.

Alternative options:

No:

Completes the registration without editing the pronunciation.

Repeat:

You can reconfirm the pronunciation of the name you entered.

No sounds can be output during .

- If the pronunciation is not the desired one, edit the characters so that the pronunciation matches your desired pronunciation.
- When you confirm the pronunciation,  is shown on the left side of the location name displayed in the entries of **"Phone Book"**. This icon indicates that this name can be used as a voice command during voice operation.

Changing a pronunciation

1 Touch [Pronunciation].

2 Enter a new pronunciation, then touch [OK].

The current pronunciation appears in the text box (if already set).

3 If the pronunciation is suitable, touch [Yes].

The details you set are registered, and **"Phone Book Record Edit"** screen appears.

Alternative options:

No:

Cancels the editing.

Repeat:

You can reconfirm the pronunciation of the name you entered. .

Setting the time difference

The time difference can be set from **"-4"** to **"+9"** hours.





Precautions when changing the splash screen

The following is the default splash screen for the navigation system.

PIONEER Original



If an image other than the one shown above is previously set (such as an image from the dealer or other source) and you change the splash screen once, you must use the CD-R (-RW) where the image is recorded to restore the previous splash screen.



DVD playback

Touching  or  resumes normal playback at a desired point during continuous fast reverse/fast forward (when  or  is shown).

- You can also perform these operations by using **TRK** () button. .

Voice recognition

Additional voice operations (Only for AVIC-Z1)

Terms written in italics are voice commands.

- You can skip the commands with the mark (*). For example, in case you want to recalculate the route, the system can recognize the command even if you say *"Rerouting"* without saying *"Route Options"* and *"Change Route"*.

Dialled with the pronunciation of the entry in Phone Book

*Call** → *Telephone Book* → *<Registered phone book's pronunciation>* → If the registered entry in phone book has telephone number data, touch **VOICE** icon to call the entry.

Notes:

- The voice operations related the telephone are available only using hands-free phoning feature of this system and is unavailable during a call.
- For *<Registered phone book's pronunciation>* shown above, say the registered pronunciation. For example, if the registered pronunciation in the entry of phone book is "My friend" and you want to operate *"Telephone Book"*, say "My friend".

Making phone call to your home

*Call** → *Call Home* → Touch **VOICE** icon to call your home (Only when the phone number is registered in your home.)

Making phone call to entry on the address book

*Call** → *Call* *<Registered location's pronunciation>* → If the registered location has telephone number data, touch **VOICE** icon to call the registered location.

Operating the view mode

*Map Operation** → *Change View Mode** → *Map View, Driver's View, 2D Twin Map View, 3D Twin Map View, Street List Mode, Mixed Mode, Rear View, Vehicle Dynamics* → Map screen will be changed to selected view mode.

Note:

Underlined commands are renewed.

Recalculating the route

*Route Options** → *Change Route** → *Rerouting, Use Main Road, Use Fast Route, Use Short Route, Use Freeway, Avoid Freeway, Use Ferry, Avoid Ferry, Use Toll Road, Avoid Toll Road* → If the route already set, touch **VOICE** icon to recalculate.

Note:

Underlined commands are renewed.

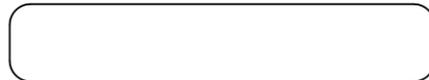
Added commands (Only for AVIC-Z1)

Preferential voice command	Other voice command
<i>Back</i>	<i>Return, Before</i>
<i>Set As Destination</i>	<i>Set, Go, Route To Destination, Begin Guidance, Start</i>
<i>POI</i>	<i>Point Of Interest, Points Of Interest, Business Listing</i>

Preferential voice command	Other voice command
<i>Address</i>	<i>Addresses, Address Search, Search By Address</i>
<i>Address Book</i>	<i>Registered Points, My Addresses, Search By Address Book</i>
<i>Vicinity Search</i>	<i>Vicinity, Search Around, Search In Vicinity</i>
<i>2D Twin Map View</i>	<i>2D Twin, 2D Split</i>
<i>3D Twin Map View</i>	<i>3D Twin, 3D Split</i>
<i>Use Fast Route</i>	<i>Fast Route, Fastest Route</i>
<i>Use Short Route</i>	<i>Short Route, Shortest Route</i>
<i>Traffic Information</i>	<i>Traffic, View Traffic Info, Display Traffic Information, Current Traffic Information, Display Traffic Condition</i>
<i>Traffic Events List</i>	<i>Event List, Events, Traffic Events</i>
<i>Traffic On Route List</i>	<i>On Route List, Route List, Traffic On Route</i>
<i>Traffic Flow List</i>	<i>Flow List, Flows, Traffic Flow</i>
<i>Call</i>	<i>Dial, Ring, Dial Out, Place A Call, Make A Call</i>
<i>Call Phone Number</i>	<i>Call By Number, Call Number, Call By Phone Number, Call Using Phone Number</i>
<i>Navigation Screen</i>	<i>Navigation, Navi</i>
<i>AV Screen</i>	<i>AV, Audio</i>
<i>Change Source</i>	<i>Next Source, Source Change</i>
<i>CD</i>	<i>Change To CD, Switch To CD</i>
<i>DVD</i>	<i>Change To DVD, Switch To DVD</i>
<i>TV</i>	<i>Change To TV, Switch To TV</i>
<i>AM</i>	<i>Change To AM, Switch To AM</i>
<i>FM</i>	<i>Change To FM, Switch To FM</i>
<i>Music Library</i>	<i>Change To Music Library, Switch To Music Library</i>
<i>Music Search</i>	<i>Search My Music, Search Music</i>
<i>Album</i>	<i>Search By Album, Search Album</i>
<i>Artist</i>	<i>Search By Artist, Search Artist</i>
<i>Genre</i>	<i>Search By Genre, Search Genre</i>
<i>Track Search</i>	<i>Search By Track</i>
<i>iPod</i>	<i>Change To iPod, Switch To iPod</i>
<i>XM</i>	<i>Change To XM, Switch To XM</i>
<i>Sirius</i>	<i>Change To Sirius, Switch To Sirius</i>



Renewed points through this upgrade



Category list for vicinity search (Renewal)

The following categories are modified or added as the sub-category.

- These changes are applicable for the voice operation.
- Only the difference between the data released last year and the data stored in CNDV-1000HD is described in this list.

Category name	Old	New
<i>Bank & ATM</i>	<i>LA SALLE BANK</i>	(Not available.)
<i>Restaurant Chains</i>	<i>STEAK & ALE</i>	(Not available.)
<i>Hotel</i>	<i>AMERI HOST</i>	(Not available.)
<i>Electronics Retailer</i>	<i>CIRCUIT CITY</i>	(Not available.)



Troubleshooting



Messages in the procedures for updating

The following messages may be displayed in the updating.

- There are occasions when you may see error messages other than those shown here. In such a case, follow the instructions given on the display.

Message	When	What to do
Inserted disc is invalid. Please confirm that the disc is correct.	If you insert a disc upside down.	Insert the disc with the label upward.
	If the disc is dirty.	Clean the disc and retry.
	If extreme vibration occurs continuously.	Retry in vibration-free condition.
An error occurred and the update failed. Update is restarted by pressing "Retry".	If the disc is cracked or otherwise damaged.	Consult your dealer.
	If the disc is dirty.	Clean the disc and retry.
	Unexpected error occurred in the update process.	Consult your local Pioneer dealer if this message persists.

