HDD Navigation Map Update Guide
(Web License Key Type)

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HDD Navigation Ma p Update Guide (Web License Key Type)

A web license key type map update method has been added to conventional map update procedures. This guide explains how to perform a license key type map update. To perform this updating process, a license key is needed. Before attempting to update map data, read this guide thoroughly and make sure to properly follow the procedure.

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Contents

The descriptions and screens shown in this guide may differ from actual ones due to modi   cations of the product or program.

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This guide describes the map updating method for the main unit of HDD navigation systems that need a license key when updating map data.

To update the map data on a navigation system, the update method differs depending on the navigation system model. Please use the method that corresponds to the model.

Navigation Model		Update Method	
DVD		Replacing the DVD	Conventional
HDD*	Update tool type	Using a specialized tool	
	Web license key type	Using media that includes new map data plus entering a license key	New

*Refer to Distinguishing the Map Updating Method for HDD Navigation System on page 3 to determine whether to use the update tool type or web license key type of update method for an HDD navigation system.

◆ Updating Map Data for Web License Key Type HDD Navigation System

1 Purchasing parts — Order → Genuine Parts — Part purchased from distributor

2 Checking Map Serial No. — "Map Serial Number" is also supplied

3 Checking Map Update ID — Map Update ID — "Map Update ID" confirmed on navigation system

4 Obtaining License Key No. — License key No. — "License Key Number" obtained via license management system

5 Updating Map Data — License key No. — DVD with new map data put in navigation system with "License Key Number"

6 Map Update is Complete — OLD → NEW — Navigation system (Navigation Unit)

1. The user brings their vehicle to the dealer.
2. The dealer staff orders the required part.
3. Using the "Map Serial Number" and "Map Update ID", the dealer staff obtains a "License Key Number".
4. By inserting the media containing new map data into the navigation system and inputting the "License Key Number", the map update will begin.

Notes: Conventional Map Update Methods
- Map Update Method for DVD navigation systems
  1. The user purchases a DVD that includes new map data.
  2. The user takes out the map DVD currently used for the navigation system and inserts the new map DVD.
- Map Update Method for HDD navigation systems (Systems that require an update tool)
  1. The user brings their vehicle to the dealer.
  2. Dealer staff updates map data in the navigation system using a specialized tool for map updating.

INFORMATION
• For HDD navigation systems there are two different map updating methods; the conventional update tool type and the web license key type. Before updating, confirm which method corresponds to the user's navigation system (Refer to Distinguishing the Map Updating Method for HDD Navigation System on page 3.)
• Depending on the area, the update tool type map update method may not be used.

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Distinguishing the Map Updating Method for HDD Navigation System

● Checking via the Navigation System
Information displayed on the map information screen shows which map updating method the system requires.

INFORMATION
The steps to display the map information screen differs depending on the area. For details, refer to the owner's manual that corresponds to the navigation system.

HDD Navigation System (Web License Key Type)   HDD Navigation System (Update Tool type)
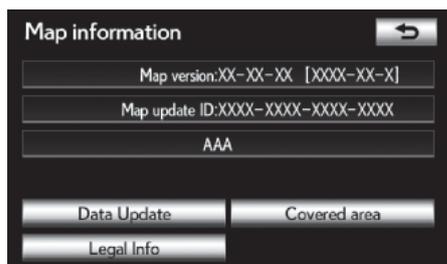
"Map version" and "Map update ID" are displayed.   Only "Map version" is displayed.
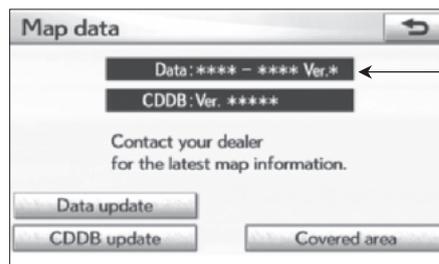
● Checking via the Navigation System Owner's Manual
The descriptions in the map database section of the manual show which map updating method the system requires.Read the information in the map information paragraph.

Read the information in the map information paragraph.
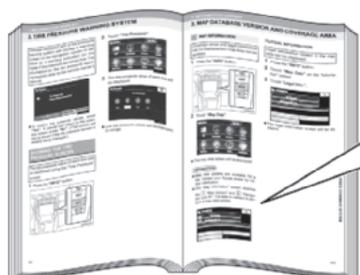
For web license key type HDD navigation systems, the "map version" and "map update ID" are both shown.

- ● HDD navigation system (update tool type): Only "Map version number" is shown.
- ● HDD navigation system (web license key type): "Map version number" and "Map update ID" are shown.

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The steps of the map update procedure for web license key type HDD navigation systems are as follows:

······Steps for ordering parts
        (preliminary preparation)
······Steps for updating map data

INFORMATION

To obtain a license key number using the TMC License Management System via the internet, it is necessary that a map update ID and map serial number are input.
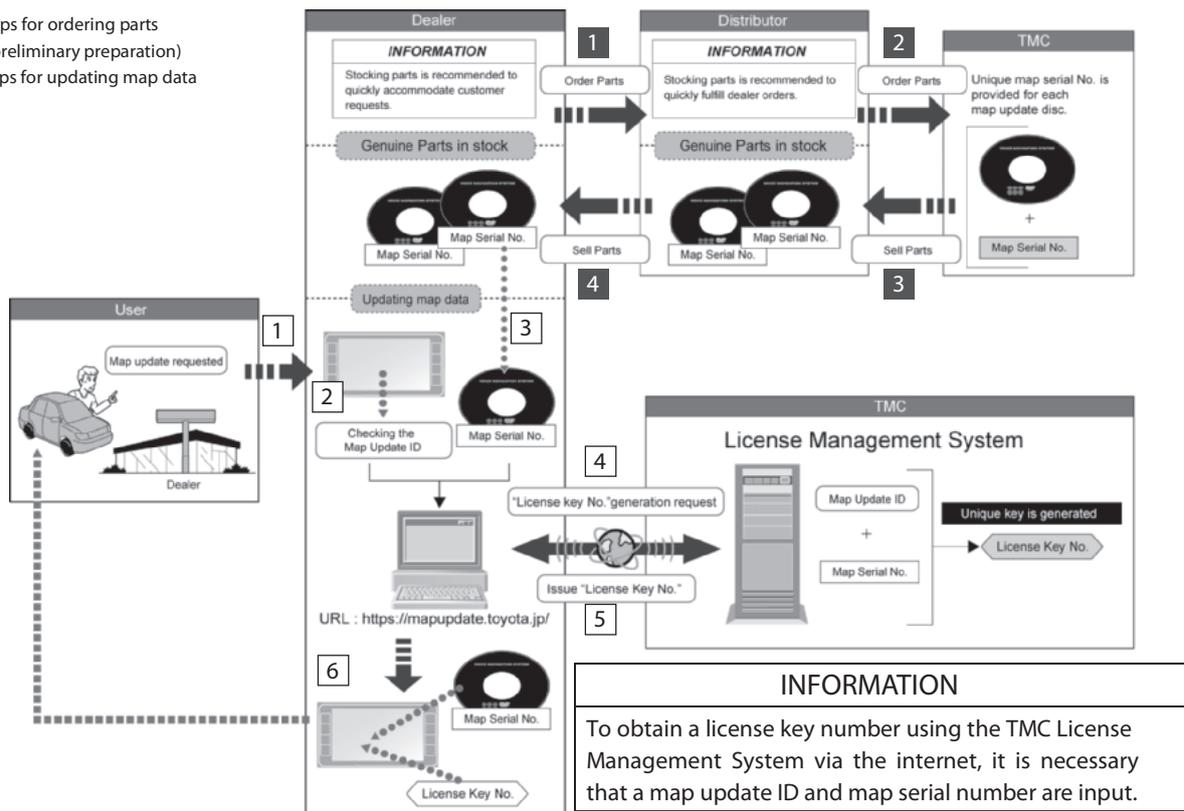
Necessary Items and Equipment for Updating Map Data

Item	Outline
Genuine Parts (DVD with Map Serial No.)	DVD: This is a DVD that contains new map data for updating. Inserting this DVD into the navigation system begins the process of copying the map data. Map Serial Number: This is a 16-digit number that is provided together with the DVD. A unique number is assigned to each DVD. (This number is necessary to obtain a "License Key Number".)
Map Update ID	This is a 16-digit number that is unique to each navigation system. The map update ID can be checked on the screen of the navigation system. (This ID is necessary to obtain a "License Key Number".)
License Key Number	This is an 8-digit number that is the key to start updating the map of the navigation system. Inputting the "License Key Number" is the only way to start updating, thus, obtaining the "License Key Number" is essential. To obtain a "License Key Number", access the website of the TMC License Management System. The website requires the inputting of the "Map Serial Number" and "Map Update ID".
PC	A PC is used to access the License Management System via the internet. To obtain a "License Key Number", access the TMC License Management System and follow the instructions.
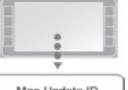
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Purchasing TMC Parts (DVD with Map Serial Number)   [Steps 1 to 4 of the Procedure Flowchart]

- The procedure for ordering parts is the same as the usual ordering procedure.
- The electronic parts catalogue (EPC) can be used to search for the part number.
- First check whether the parts are available or order and confirm the arrival date of the parts, then set an appointment for the update operation with the customer.
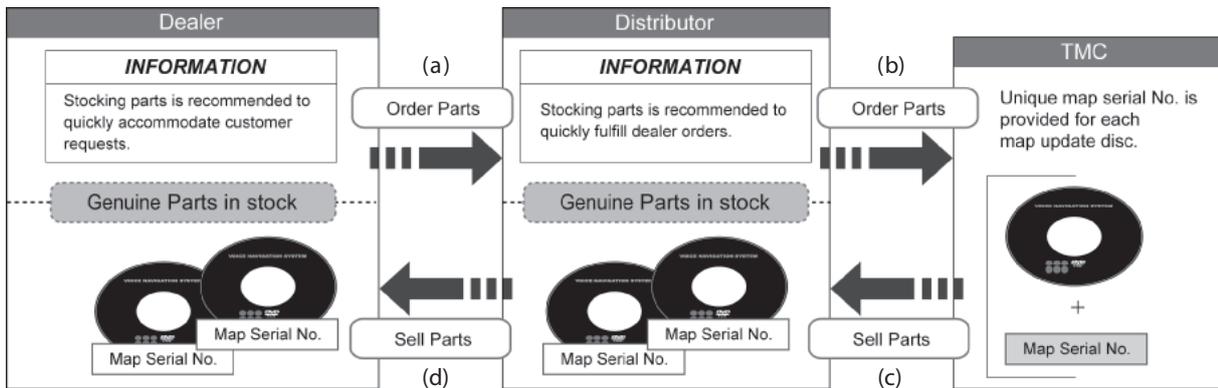
INFORMATION

- The parts are provided in the same way as TMC sourced parts. It is recommended to keep parts in stock (preliminary preparation).
- Keep the "Map Serial Number" that is provided with the parts in a safe place. It is not possible to obtain a license key number if the map serial number is lost.

Checking Map Update ID   [Step 2 of the Procedure Flowchart]

Display the "Map information" screen

Record the "Map Update ID"
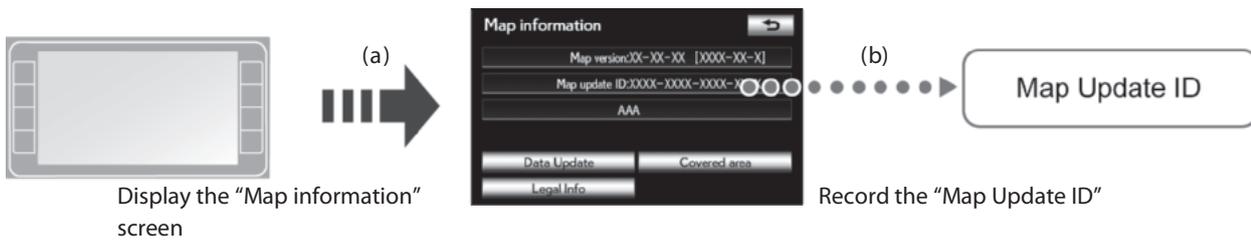
NOTICE

- The "Map Update ID" can be checked only on the screen of the navigation system.
- Make sure to check the "Map Update ID" and record its number. It is impossible to obtain a license key number without the "Map Update ID".

- The steps to display the "Map Update ID" differs depending on the area. For details, refer to the owner's manual that corresponds to the navigation system.

1. Press the "NAV" button.

2. Touch "Map data".

- The "Map information" screen will be displayed.

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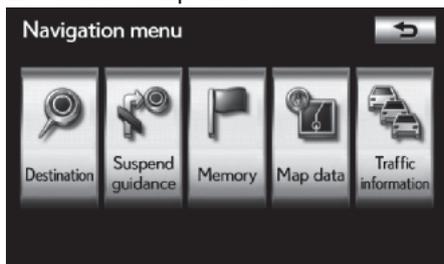
3. Check the "Map update ID" shown on the screen.
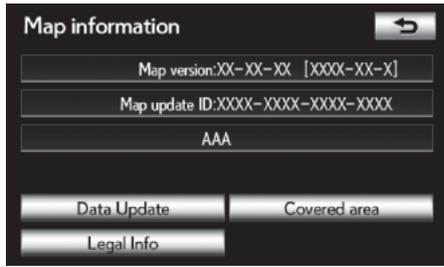
"Map update ID"

- The "Map Update ID" is a 16-digit number.
- Make sure to record the "Map Update ID" displayed.

Obtaining "License Key Number" [Steps 4 to 5 of the Procedure Flowchart]

To obtain a "License Key Number", access the TMC License Management System and input the "Map Serial Number" and "Map Update ID". This procedure is essential because the navigation system requests a "License Key Number" when the map data is being updated.
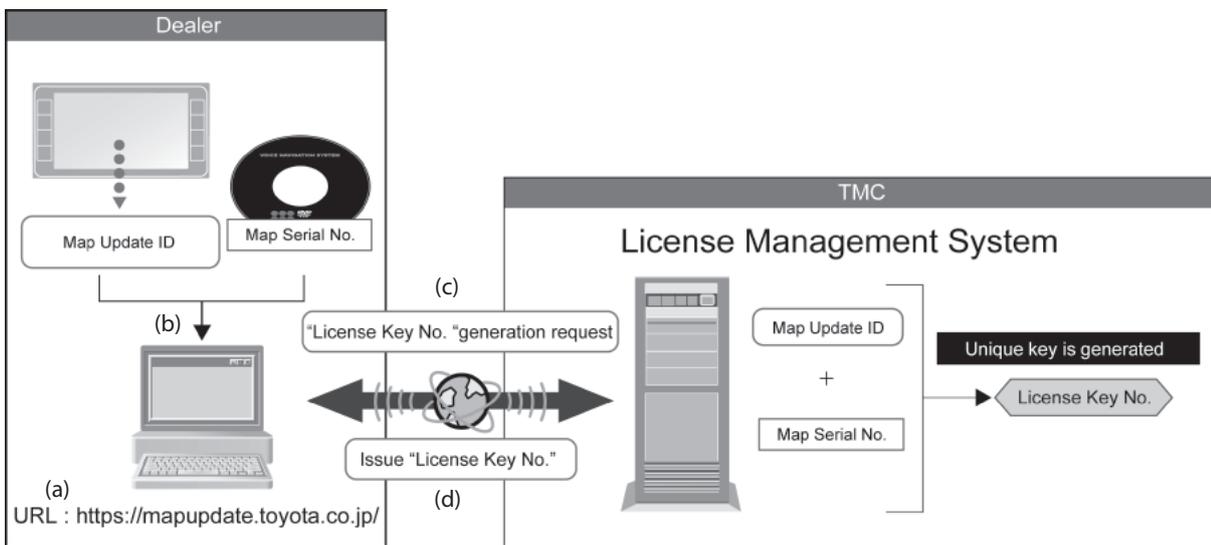
1. Access the website of the "TMC License Management System".

- Start up the web browser on a PC that is connected to the internet and input https://mapupdate.toyota.co.jp/ in the address bar to access the website.

2. Input login ID "123456" and password "123456" and click "Next".

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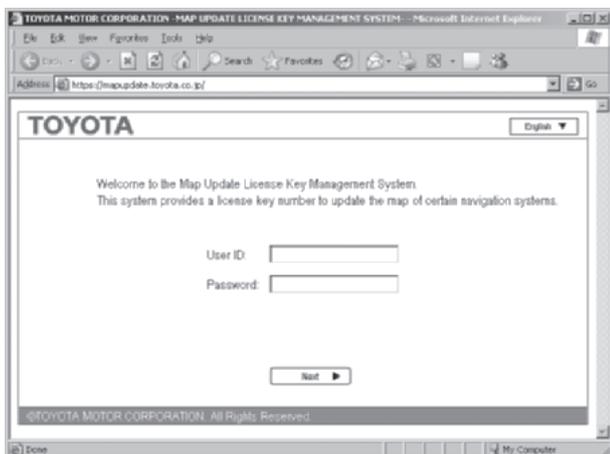
3. Input the "Map Update ID" and "Map Serial Number" and click "Next".
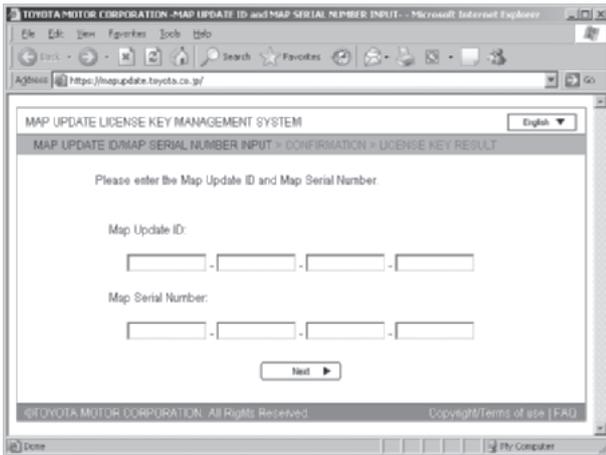
• Input the 16-digit "Map Update ID" of the navigation system that is to be updated and the 16-digit "Map Serial Number" provided with the DVD containing new map data for updating.

4. Click "Issue License Key Number".
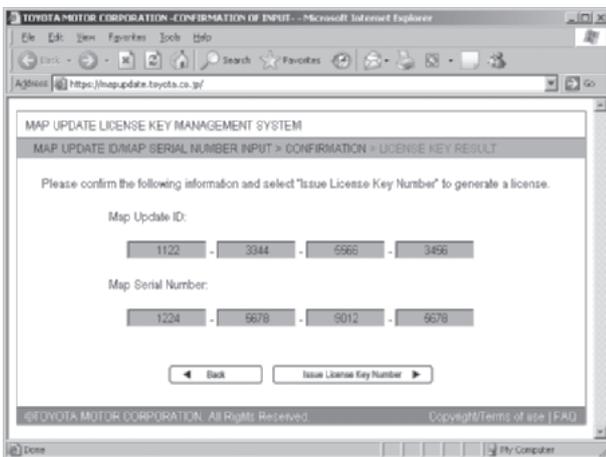
• Before clicking "Issue License Key Number", make sure that the map update ID and map serial number are correct.

NOTICE
• If the wrong ID or number is entered five times in a row, the license key issue process will become unavailable for approximately 30 minutes. Confi rm the ID and number before clicking "Issue License Key Number". • When an input error occurs, follow the instructions displayed on the screen. (Refer to Error Message Displayed by the TMC License Management System on page 8.)

5. Record the "License Key Number" shown on the screen.
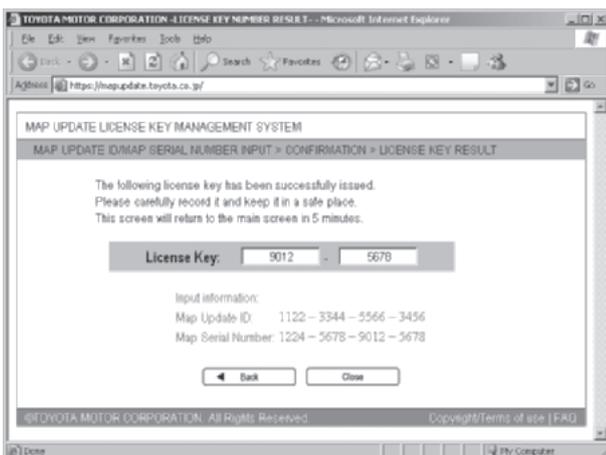
• Make sure to keep the "License Key Number" in a safe place.
• To print the "License Key Number", use the browser's print function.
• To close the web browser, click "Close".
• Clicking "Top" returns the screen to the map update ID and map serial number input screen shown in step 3.

INFORMATION
• If "Top" or "Close" is not clicked and five minutes elapse, the screen will return to the map update ID and map serial number input screen shown in step 3. • If the "License Key Number" needs to be rechecked after it is issued, re-entering the same map update ID and map serial number displays the license key number again.

Error Messages Displayed by the TMC License Management System

If the entered ID or serial number is incorrect, a message will appear.
What to do depends on the error. Perform the appropriate action according to the message displayed.

• Input error occurred between one and four times:
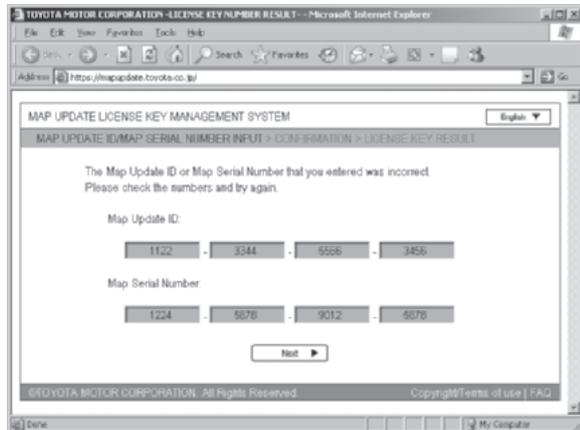
• Either or both the 16-digit "Map Update ID" of the navigation system and the 16-digit "Map Serial Number" are incorrect. Confirm the ID and serial number and try again.

• Input error occurred five times:
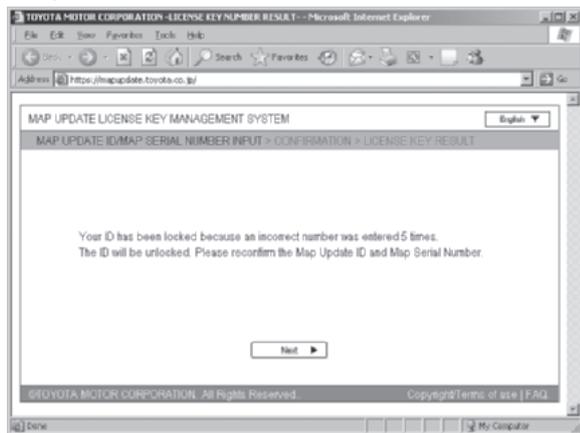
• The License Key Management system will be locked.
• Confirm the numbers and try again after approximately 30 minutes elapse.

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• Map serial number already used to generate license key for other map update ID:
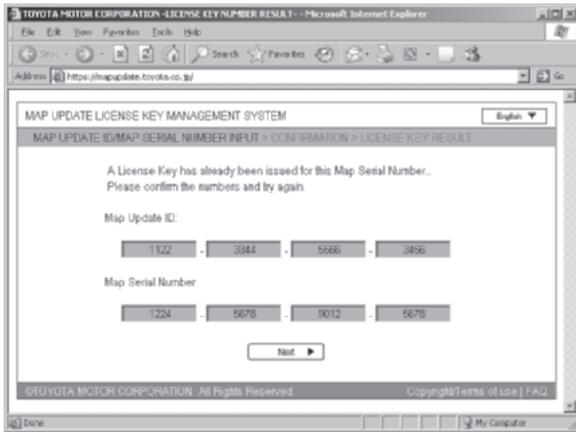
• A license key number was already issued using the 16-digit "Map Serial Number" that was entered on the screen. Confirm the 16-digit "Map Serial Number" and try again.

• System error occurred:
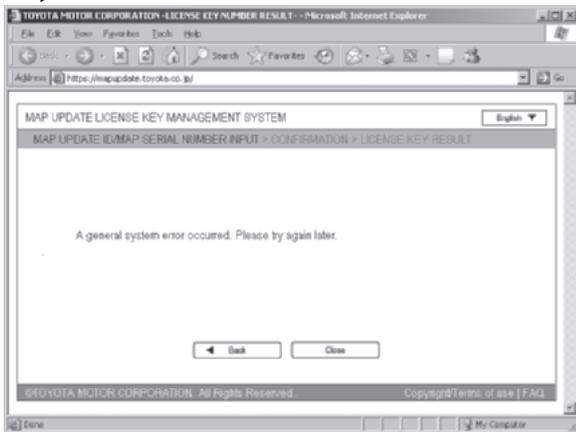
• A system error occurred. Try to obtain a license key again after a short period of time by inputting the 16-digit "Map Update ID" and 16-digit "Map Serial Number" again.
• If the system error continues, contact your local technical assistance center.

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Inserting the DVD whose "Map Serial Number" was used to obtain the license key number into the slot of the navigation system and inputting the issued license key number starts the map data update operation.
(A USB flash drive can also be used as the media to perform the update)

(a)
Insert DVD or USB Flash Drive

Map Serial No.

(b)
Enter "License Key Number"

License Key No.
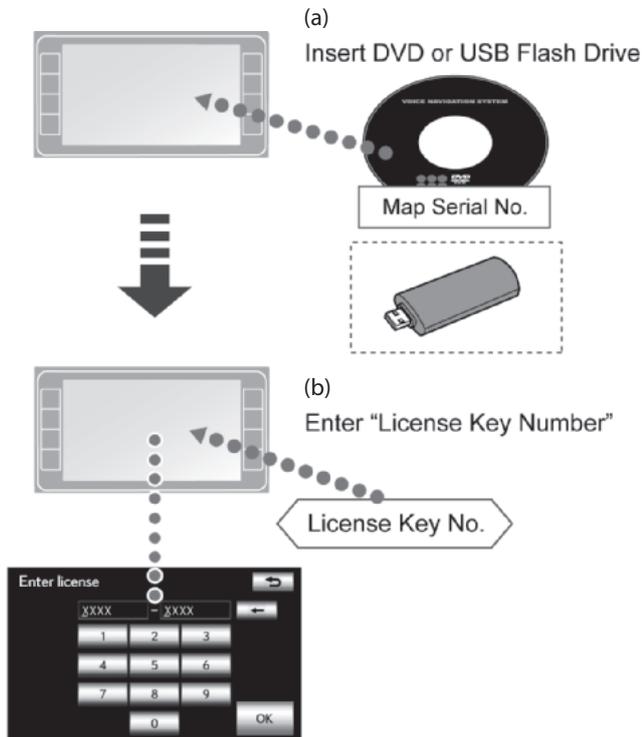
INFORMATION
• A USB flash drive can also be used as a media device for updating. Map data on the DVD can be copied onto a USB flash drive. • When using a USB flash drive, the operation time will be approximately half the time required for the update using the DVD. Copy   Copy • Before copying the data on the DVD to a USB flash drive, first make the folders as shown below in the USB flash drive then start copying. USB Flash Drive mapupdate all   Copy all the data located in the DVD root directory.

⚠CAUTION

- Make sure that the vehicle is stopped and the ignition switch (POWER switch) is ACC or ON.
- Do not eject the DVD or remove the USB flash drive during the map update.
- Do not perform any repair operations related to the navigation system during the map update.

Before starting the map update, ensure the following conditions:
- The charge level of the vehicle battery is sufficient.
- The vehicle is parked with the parking brake applied.
- The audio function is off.

• The procedure to display the screen differs depending on the area. For details, refer to the owner's manual that corresponds to the navigation system.

1. Press the "Nav" button.

2. Touch "Map data".
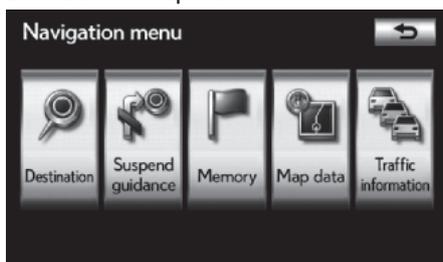
• The "Map information" screen will be displayed.

3. Touch "Data Update".

Map information ⤺

> Map version:XX–XX–XX [XXXX–XX–X]
> Map update ID:XXXX–XXXX–XXXX–XXXX
> AAA

> Data Update | Covered area
> Legal Info
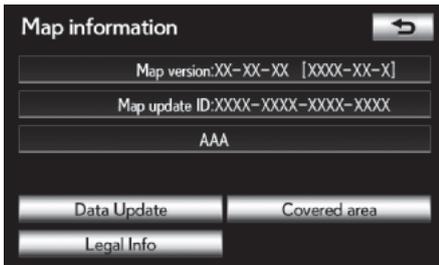
- Make sure the "Map Update ID" shown on the screen is the same one used when the license key number was issued.

4. Touch "Yes".

Map update ⤺

> Current map version:XX–XX–XX
> New map version:XX–XX–XX
> Updating will take approximately minutes.
> You will still be able to use all features
> while the system is updating.
> Would you like to continue?

> Yes | No

- Confirm the current map version and the new map version shown on the screen.
- If an error message appears after touching "Yes", troubleshoot it by referring to the following for causes and correction procedures.

- Error Messages:

Message	Cause	Correction Procedure
The current map data is newer than the data on the DVD or USB drive. There is no need to update at this time.	• The current map data is the same or newer than the map data on the DVD or USB ash drive.	• Con rm that the correct DVD or USB ash drive is inserted.
Software update in progress. Please try again after the software update is complete.	• A software update is being performed by a function other than the map update program.	• After the software update completes, perform the map data update.
Please try again after map data copying has nished.	• Data is being copied due to a function other than the map data update.	• After the operation completes, perform the map data update.
Incorrect disc. Please insert disc [*].	• A disc other than disc [*] is inserted.	• Con rm that the disc number is correct. • Check the media related problems described below.
Please insert a DVD or USB drive that contains the map data.	• The system cannot nd the DVD or USB ash drive that contains new map data.	• Con rm that the correct DVD or USB ash drive is inserted. • Check the media related problems described below.
The new map data could not be read. Please check that the DVD or USB drive contains the correct map data or contact your dealer.	• The system cannot read the map data on the DVD or USB ash drive.	• Check the media related problems described below.
A program update is needed to use the new map data. Please update your system's program rst.	• A program update is needed before starting the map data update. However, the program is not present on the DVD or USB ash drive.	• Check the media related problems described below.
Incorrect map data. Please check that the DVD or USB drive contains the correct map data or contact your dealer.	• The system cannot read the map data on the DVD or USB ash drive.	• Check the media related problems described below.
The system is trying to update from the USB and the DVD. Please remove either USB or DVD to continue.	• A DVD and a USB ash drive containing map data are both inserted.	• Remove either the DVD or USB ash drive.

Media related problems	• Confirm that the inserted DVD or USB flash drive is correct. • Confirm that the DVD is not dirty. • Try again using another DVD that has the same part number or another USB flash drive that contains the same data.

5. Input the "License Key Number" and touch "OK".
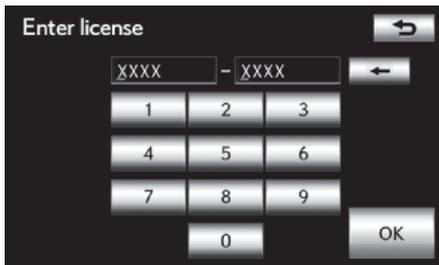
- Make sure to input the issued "License Key Number".
- If an error message appears after touching "OK", troubleshoot it by referring to the following for causes and correction procedures.

- Error Messages:

Message	Cause	Correction Procedure
Invalid license.	• The license key entered is not correct.	• Check that the entered license key is correct. • Check that the correct "Map Update ID" and "Map Serial No." were used when obtaining the license key.

6. Touch "Yes".
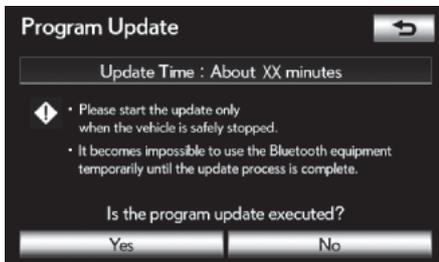
- Touching "Yes" starts copying the software to the navigation system.

INFORMATION
Due to the current map version, the copy operation may not start. In this case, perform step 8 on page 14.

- If an error message appears after touching "Yes", troubleshoot it by referring to the following for causes and correction procedures.

- Error Messages:

Message	Cause	Correction Procedure
The software update cannot be executed because the disc or USB ash drive is in use. Please try again when the disc or USB ash drive is no longer in use.	• The DVD drive or USB port is in use for a function other than the map data update.	• Perform the map data update again after the DVD or USB related operation completes.
Incorrect software. Please check that the disc or USB ash drive contains the correct software.	• The map data on the DVD or USB ash drive is not correct.	• Check the media related problems described below.
Both a disc and USB ash drive were detected with new software. Please eject the disc or remove the USB ash drive to continue.	• The inserted disc and USB ash drive both contain the new software.	• Remove the media that does not contain the update data.
The new software could not be read. Please check the disc or USB ash drive. Map update has been canceled.	• Data on the DVD or USB ash drive cannot be read.	• Check the media related problems described below.
The new software could not be read. Please check that the disc or USB ash drive contains the correct software. Map update has been canceled.	• Data on the DVD or USB ash drive is not correct.	• Check the media related problems described below.

Media related problems	• Confirm that the inserted DVD or USB flash drive is correct. • Confirm that the DVD is not dirty. • Try again using another DVD that has the same part number or another USB flash drive that contains the same data.

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• Software Copy Screen:

<div style="border:1px solid">
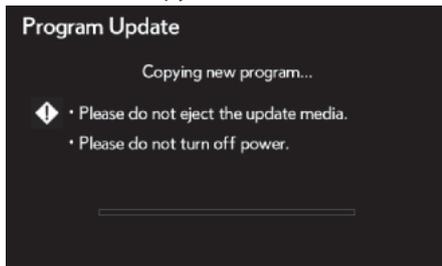
△ CAUTION

• Do not remove the media containing the update data until the copy process is complete.
• Do not turn off the ignition switch (POWER switch).

</div>

• When copying is complete, the "Program Update" screen will be displayed.

7. Turn the ignition switch (POWER switch) off then to ACC or ON.
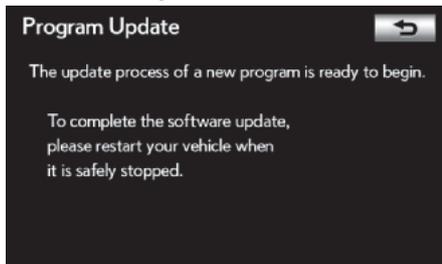
• The software loading process will start.
• After the software loading process completes, the following message appears on the current position screen of navigation system: "Software update is complete. Starting map up date... Select "MENU" then "Map Data" to check the update progress."
• The software loading process is followed by the map data update process.
• If the software loading process is does not complete or the map data update process cannot be started, an error message will appear on the current position screen.
  In this case, troubleshoot the message by referring to the following for causes and correction procedures.
• During the map data update process, the update progress can be checked. (Refer to "Displaying the Map Data Update Progress" on page 15.)
• If multiple DVDs are required for updating, switching discs is required. (Refer to "Switching Map Data Discs" on page 15.)
• When the map data update is complete, perform step 9.

<div style="border:1px solid">

NOTICE

• Do not remove the media (DVD or USB   ash drive) until the map data update is complete.
  (If the media is removed, the update will be canceled.)
• If update is canceled, it is necessary to perform the procedure again from step 1.

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<div style="border:1px solid">

INFORMATION

If the ignition switch (POWER switch) is turned off during the map update process, the map update can resume when the ignition switch (POWER switch) is turned to ACC or ON again unless the DVD or USB   ash drive is removed.

</div>

• Error Messages:

Message	Cause	Correction Procedure
Software update failed. Please contact your dealer. Map update has been canceled.	• The software update failed.	• Contact your local technical assistance center.
Software update failed. Please try again. Map update has been canceled.	• The software update failed due to a recoverable error.	• Try again after a short period of time.
Software update is complete. Map update has been canceled.	• The DVD or USB ash drive was removed before the map data update started.	• Perform the procedure from step 1 again to complete the update.

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8. Turn the ignition switch (POWER switch) off then to ACC or ON.

Map update

The map update process is ready to begin, but first you need to restart your vehicle. It is okay to restart now. Do not eject the DVD that contains the map data.

- The map data updating process will start. The current position screen of the navigation system will be displayed.
- After the map data update process completes, the following message appears on the current position screen: "Your map data has been successfully updated. The new map will be used the next time you start your vehicle."
- During the map data update process, the update progress can be checked. (Refer to " Displaying the Map Data Update Progress " on page 15.)
- If multiple DVDs are required for updating, switching discs is required. (Refer to "Switching Map Data Discs" on page 15.)

NOTICE
• Do not remove the media (DVD or USB ash drive) until the map data update is complete. (If the media is removed, the update will be canceled.) • If update is canceled, it is necessary to perform the procedure again from step 1.

INFORMATION
If the ignition switch (POWER switch) is turned off during the map update process, the map update can resume when the ignition switch (POWER switch) is turned to ACC or ON again unless the DVD or USB ash drive is removed.

9. After the map data update completes, turn the ignition switch (POWER switch) off then to ACC or ON.

NOTICE
To use the newly updated map data, it is necessary to turn the ignition switch (POWER switch) off then to ACC or ON.

10. Touch "Don't show this message again" .

Map update is complete.

Don't show this message again.

- If "Don't show this message again" is not touched, the message "Map update is complete" will reappear on the screen the next time the navigation system is turned on.

INFORMATION
The message "Map update is complete" automatically disappears when the vehicle starts off or 6 seconds elapse.

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Displaying the Map Data Update Progress

1. Press the "Nav" button.

2. Touch "Map data".
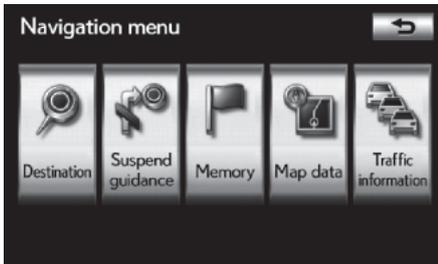
- The update progress will be shown on the "Map update" screen.

- Map update progress screen:

- The operation time differs depends on the size of the update (amount of data).

Switching Map Data Discs

1. Check the message on the display and switch the DVD.
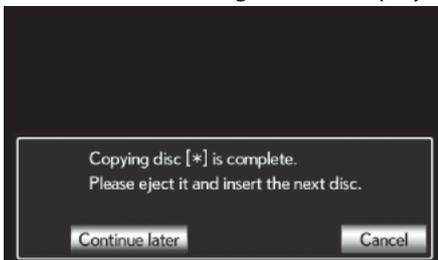
- Touching "Continue later" suspends the map data update. When suspended, the message shown at left can be displayed by selecting "Map Data".
  The map data update will resume when the DVD is switched.
- Touching "Cancel" terminates the map data update. To resume the map data update after canceling it, it is necessary to perform the procedure again from step 1.

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