

Lexus Supports

HDD Navigation Map Update Process (EMV-N)

Service

Category Audio/Visual/Telematics

Section Navigation/Multi Info Display Market USA ASE Certification

Applicability

| YEAR(S) | MODEL(S) | ADDITIONAL INFORMATION |
|-------------|---|------------------------|
| 2013 | CT200H, IS250, IS350 | |
| 2013 – 2014 | ES300H, ES350, GS350, GS450H, IS F, LS460, LS600H | |
| 2013 – 2015 | IS250C, IS350C, LX570, RX350, RX450H | |

REVISION NOTICE

September 16, 2016 Rev2:

• The Parts information section, and Required Tools & Equipment section has been updated.

November 2, 2015 Rev1:

- Applicability has been updated to include 2015 model year IS 250C & IS 350C vehicles.
- The Parts Information section has been updated.

Any previous printed versions of this bulletin should be discarded.

SUPERSESSION NOTICE

The information contained in this bulletin supersedes SB No. L-SB-0003-13.

• Applicability has been updated to include 2015 model year LX 570, RX 350, RX 450h vehicles.

Service Bulletin No. L-SB-0003-13 is Obsolete and any printed versions should be discarded. Be sure to review the entire content of this bulletin before proceeding.

HDD Navigation Map Update Process (EMV-N)

Introduction

Lexus models equipped with the HDD Navigation (EMV-N) System require a Special Service Tool (SST) USB drive to update the map, points of interest, Gracenote[®], and system software. The SST is used with all vehicles to deliver the update, however a unique Activation Number is required for each vehicle. Activation Numbers are provided in an Activation Card Number (ACN) pamphlet available through the normal parts ordering system. Use the process described in this bulletin to perform the update.

NOTE

- Gracenote[®] information must be updated at the same time as Map Data. This data is included on the Map Data SST.
- Map data will be released annually through the shipment of a USB Drive SST to each dealer. The SST must be stored in the SST cabinet to ensure it can be easily found.

Warranty Information

| OP CODE | DESCRIPTION | TIME | OFP | T1 | T2 |
|---------|----------------------------|------|-----|----|----|
| N/A | Not Applicable to Warranty | - | - | - | 1 |

Parts Information

| CURRENT PART NUMBER | PART NAME | QTY |
|---------------------|---------------------------------|-----|
| PT219-HDD07-16 | ACN NAV UPDTE V.16.1 (Pamphlet) | 1 |

NOTE

Pamphlet is green, with Lexus and Denso labels on the front cover.



Required Tools & Equipment

| SPECIAL SERVICE TOOLS (SST) | PART NUMBER | QTY |
|--|---------------|-----|
| USB Drive Navigation Map Update - Denso* | LEXD-HDD07-16 | 1 |

* Essential SST.

NOTE

Additional SSTs may be ordered by calling 1-800-933-8335.

HDD Navigation Map Update Process (EMV-N)

On-vehicle Data Navigation Update

1. Update Gracenote[®] information using Service Bulletin No. <u>L-SB-0073-14</u>, "HDD Navigation Gracenote Database Update Process (EMV-N)."

HINT

Connect a battery charger to the vehicle prior to beginning the process to ensure constant battery voltage.

- 2. Log into TIS.
- 3. Log into Navigation Update Wizard.
 - A. Click on the T/S tab.
 - B. Click on the *Diagnostics* tab.
 - C. Click on the Navigation tab.
 - D. Re-enter your password.
 - E. Click Login.
- 4. Select *Denso* from the *Select Navigation Manufacturer* dropdown.

5. Enter the Activation Card number from the inside

of the pamphlet (obtained from Parts department).

| C Home | | | | | |
|---------------------------------|-----------------------------|-------------------------|---------------------------|--------------------------|--|
| Dia Dia | • Tech Assist | ance • Vehicle In | iquiry | | |
| ScanTool | Calibrations | Immobilizer Reset | Telematics | Navigation | Tools & Equipment |
| Navigation Updat | Wizard | | | | |
| | | R | eceive a License Key | | |
| Once an Activation | ard is purchased, proceed | with the navigation up | date wizard to obtain a l | icense key. | |
| The license key allo update. | is the user to update the m | hap in a navigation uni | t within the customer's v | ehicle. Note that one li | ense key allows for one navigation map |
| Re-enter your Passi | ord below to proceed with | the Navigation Map Up | date Request form. | | |
| | | Password: | | | |
| | | | Cland Lonin | | |

Figure 2.



Figure 3.

| ScanTool | Calibrations Immobilizer Reset Telematics Navigation Tools & Equipment |
|------------------------------|--|
| Navigation Update Wizar | rd |
| | Please complete the following fields to receive a license key. |
| | |
| | Dealer Code: 60905 |
| | Dealer Name: JM LEXUS |
| | Technician Name: John Snith |
| | *Select Navigation Denso Manufacturer: Denso |
| | *Activation Card Number: LEXC0008023456 |
| (*) - Indicates Required Fie | ld(s) |
| | |

- 6. Click Submit.
- 7. Press the "ENGINE START STOP" switch two times with the brake pedal released to cycle the ignition to the "ON" position (Engine/Hybrid system "OFF").



On-vehicle Data Navigation Update (Continued)

8. Please note the head unit style to determine how to get to the Map Data screen.

Rev2

A. Press the *INFO APPS* button on the navigation Figure 4. head unit.



B. Press *Menu* on the Remote Touch pad. Then select *Info/Apps*.

Figure 5.



9. Select *Map Data* on the navigation screen.

Figure 6.





On-vehicle Data Navigation Update (Continued)

10. Record the *Map Version* and *Map Update ID* from Figure 7. the navigation screen.



- 11. Enter navigation data into the *Navigation Update Wizard* form.
 - A. Select the correct USB part number (found on the SST packaging; Starts with *LEXD*).
 - B. Input the *Map Update ID* into TIS (without hyphens).
 - C. Input the Map Version into TIS.
 - D. Enter the VIN.
 - E. Enter the Repair Order Number.
 - F. Click Submit.
- 12. Check off each item after confirming that it is correct. If any of the information is incorrect, click the *Back* button.

Figure 8.

| ScanTool | Calibrations Immobilizer Re | eset Telematics | Navigation | Tools & Equipment |
|-----------------------------|-----------------------------|-----------------------------------|------------------|-------------------|
| Navigation Update Wiza | rd | | | |
| | Please complet | e the following fields to receive | e a license key. | |
| | Dealer Code: | 60905 | | |
| | Dealer Name: | JM Lexus | | |
| | Technician Name: | John Smith | | |
| | Navigation Manufacturer: I | Denso | | |
| | Activation Card Number: | LEXD000000123456 | | |
| | *USB Stick P/N: | LEXD-HDD07-12 💌 | | |
| | *Map Update ID: | 1102462200002222 | | |
| | *Map Version: | 21 -11 -24 2011 -06 | - 1 | |
| | *VIN: | TH CEIBL 9D5000131 | | |
| | Repair Order Number: | 123456 | | |
| (*) - Indicates Required Fi | eld(s) | | | |
| | | | | |
| | | | | |

Figure 9.

| 54 | unTool | Calibrations | Immobilizer Reset | Telematics | Navigation | Tools & Equipment |
|------------|---------------------|-------------------|----------------------------|----------------------|------------|-------------------|
| Navigatio | Update Wizard | | | | | ~ |
| | | | | | | |
| You are ab | ut to update the Na | vigation Map. Ple | ease confirm the following | by checking each box | < below. | |
| 🗹 You ha | e USB Stick P/N LI | XD-HDD07-12 | | | | |
| 🗹 You ha | e entered Map Upd | ate ID 11024622 | 00002222 | | | |
| 🗹 You ha | e entered Map Ver | ion 21-11-24 2 | 011-06-1 | | | |
| 🗹 /IN is | THCE18L9D50001 | 1 | | | | |
| | | | | | | |

13. Click Confirm.



HDD Navigation Map Update Process (EMV-N)

On-vehicle Data Navigation Update (Continued)

14. Note the License Key that was generated. (Print this page if necessary.)

| Home T | IS | | | | |
|---------------------------|------------------------|---|--|--|-------------------|
| ibrary 🖲 Diagnost | tics • T | fech Assistance | O Vehicle Inquiry | | |
| ScanTool | Calibrations | Immobilizer Reset | Telematics | Navigation | Tools & Equipment |
| vigation Update Wizar | rd | | | | _ |
| | Please use t | Your License this license key with U | Key is: 20202020 S8 Stick: PN - LEXD-HDD | our reference. 17-12 | |
| vigation Update Vehicle D | Please use t | Your License this license key with U Map Up New Map | ase pring this page for y Key is: 20202020 SB Stok: PN - LEX0-HD0 odate ID: 11024622000022 Version: 21-11-24 2012 | our reference. 17-12 22 -21-1 | |
| vigation Update Vehicle (| Please use t Natala | Your License this license key with U Map Up New Map | ase pring this page for y Key is: 20202020 SB Stek: PN - LEX0-HDM odate ID: 1102462200022 Version: 21-11-24 2012 VIN: JTHCE10L50500 | our reference. 17-12 -21-1 0131 | |
| vigation Update Vehicle (| Please use t | Your License this license key with U Map Up New Map Repair Order | Asse pring this page for y Key is: 20202020 SB Stock: PN - LEX0-PDOM odate ID: 11024622000022 Version: 21-11-24 2012 VIN: JTH-CE10L50500 Number: 123456 | our reference. 17-12 22 -21-1 0131 | |
| vication Update Vehicle (| Please use t | Your License this license key with U: Map Up New Map Repair Order | see pring this page for y Key is: 2020202 SB Stock: PN-LDX0-HDM odate ID: 11024622000022 Version: 21-11-24 2012 VIN: JHC21DL50500 Number: 123456 Deeler: 60905 | our reference. 17-12 22 -21-1 0131 | |

- 15. Insert the USB Drive SST into the USB port of the vehicle (usually located under the navigation head unit, in the center console/armrest, or glove box).
- 16. Select *Update Map* on the navigation screen.

Figure 11.

| Map Information | 5 |
|-------------------|---------------------|
| Map Version: 21 | 1-11-24 [2011-06-1] |
| Map Update ID: 11 | 02-4824-0800-1579 |
| | S |
| Last map update | was completed. |
| Update Map | Map Coverage |
| Legal Info. | |

17. Select Yes.

Figure 12.

| p Update | - |
|---|--|
| Current map version: 2 | 1-11-12 |
| New map version: 2 | 1-11-24 |
| Updating will take app You will still be able to while the system is upd Would you like to conti | roximately 44 minutes. use all features lating. nue ? |
| Yes | No |



HDD Navigation Map Update Process (EMV-N)

On-vehicle Data Navigation Update (Continued)

18. Enter the License Key from step 14.

Figure 13.



- 19. Select OK.
- 20. Update navigation head unit software. Select Yes on the Software Update screen to accept and begin this update.

If the head unit displays the *Map Update* screen, go to step 21.

NOTE

Navigation Map Data will be loaded when this process completes.

Figure 14.



Figure 15.





On-vehicle Data Navigation Update (Continued)

A. Cycle ignition OFF, then ON (Ready OFF/Engine OFF).

Figure 16.



B. Allow update to complete (approximately 10 minutes).

Figure 17.



- C. The head unit will prompt to cycle ignition. Cycle ignition OFF and then ON (Ready OFF/Engine OFF).
- D. Press the INFO APPS button.



E. Select Map Data.

On-vehicle Data Navigation Update (Continued)

21. The Navigation Map Update will begin automatically.

NOTE

This process will take about 45 minutes.

Figure 19.



22. The new map data will be available after you cycle the ignition. Cycle ignition OFF, then ON (Ready OFF/Engine OFF).

Figure 20.



23. Map Update is complete.

Figure 21.



24. Verify navigation operation.