

# Premium HDD Navigation Map Update Process (AVN/AW-EMV)

**Service Category** Audio/Visual/Telematics

**Section** Navigation/Multi Info Display

**Market** USA

Toyota Supports  
ASE Certification 

## Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2013 - 2014	Avalon, Avalon HV, Venza	
2012 - 2014	Camry, Camry HV, Prius V, RAV4 EV	
2013 - 2015	Land Cruiser	
2012 - 2015	Prius, Prius PHV	
2013	Sequoia	

### REVISION NOTICE

November 11, 2019 Rev2:

- The Parts Information and Required Tools & Equipment sections have been updated. Any previous printed versions of this bulletin should be discarded.

### SUPERSESSON NOTICE

The information contained in this bulletin supersedes SB No. T-SB-0133-14.

- The Parts Information, Required Tools & Equipment, and On-Vehicle Navigation Update sections have been updated.
- Service Bulletin No. T-SB-0133-14 is obsolete and any printed versions should be discarded.

## Premium HDD Navigation Map Update Process (AVN/AW-EMV)

### Introduction

Toyota models equipped with the Premium HDD Navigation (AVN/AW-EMV) 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 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 that it can be easily found.

### Warranty Information

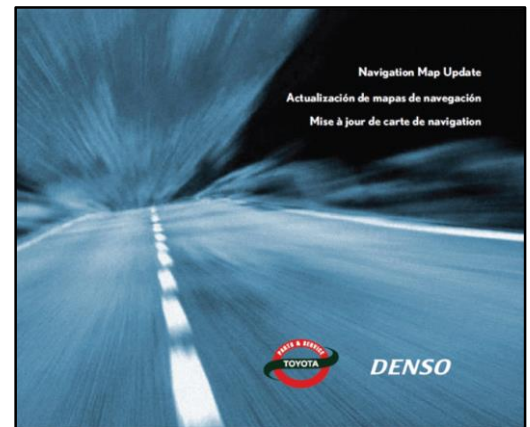
OP CODE	DESCRIPTION	TIME	OFF	T1	T2
N/A	Not Applicable to Warranty	–	–	–	–

### Parts Information

PART NUMBER	PART NAME	QTY
86271-HDD07-19	ACN NAV Update V.19.1 (Pamphlet)	1

**NOTE**

The pamphlet is blue with Toyota and Denso labels on the front cover.



## Premium HDD Navigation Map Update Process (AVN/AW-EMV)

### Required Tools & Equipment

SPECIAL SERVICE TOOLS (SST)	PART NUMBER	QTY
USB Drive Navigation Map Update – Denso*	<a href="#">TOYD-HDD07-19</a>	1

\*Essential SST.

**NOTE**

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

### On-Vehicle Navigation Update

- Update Gracenote® information using Service Bulletin [T-SB-0108-15](#), Premium HDD Navigation Gracenote Database Update.

**HINT**

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

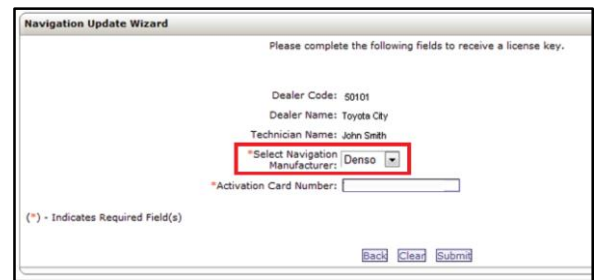
- Log in to the Technical Information System (TIS).
- Log in to the Navigation Update Wizard.
  - Click on the TIS tab.
  - Click on the Diagnostics tab.
  - Click on the Navigation tab.
  - Re-enter your password.
  - Click Login.

**Figure 1.**



- Select Denso from the “Select Navigation Manufacturer” dropdown.

**Figure 2.**



## Premium HDD Navigation Map Update Process (AVN/AW-EMV)

### On-Vehicle Navigation Update (continued)

5. Enter the activation card number from the inside of the pamphlet.

**Figure 3.**



6. Click Submit.

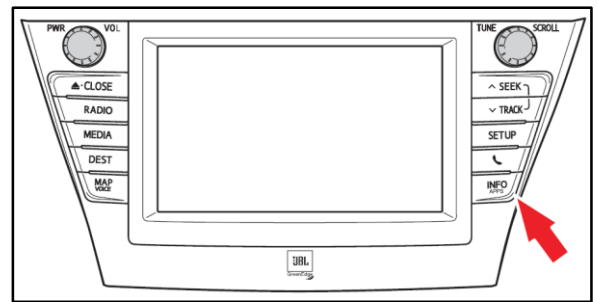
7. Cycle the ignition ON (Engine/Hybrid/EV system OFF).

**NOTE**

- Vehicles WITHOUT Smart Key system: Turn the ignition key to the ON position.
- Vehicles WITH Smart Key system: Press the Engine Start Stop switch two times with the brake pedal released.

8. Press the Info Apps button on the navigation head unit.

**Figure 4.**



9. Select Map Data on the navigation screen.

**Figure 5.**

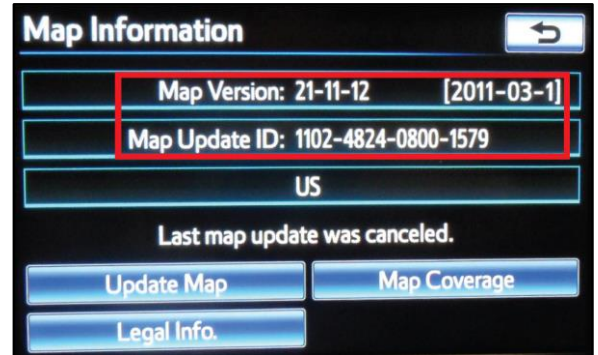


## Premium HDD Navigation Map Update Process (AVN/AW-EMV)

### On-Vehicle Navigation Update (continued)

10. Record the Map version and map update ID from the navigation screen.

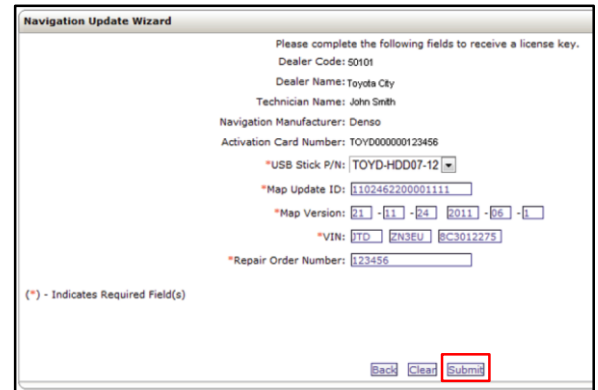
Figure 6.



11. Enter navigation data into the Navigation Update Wizard form.

- A. Select the correct USB part number (found on the SST packaging, starts with "TOYD").
- 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.

Figure 7.



12. Check off each item AFTER confirming that it is correct. If ANY of the information is incorrect, click the Back button.

Figure 8.



13. Click Confirm.

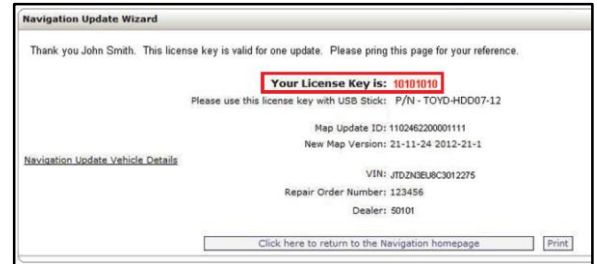
## Premium HDD Navigation Map Update Process (AVN/AW-EMV)

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### On-Vehicle Navigation Update (continued)

14. Note the license key that is generated.  
(Print this page if necessary.)

**Figure 9.**



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).

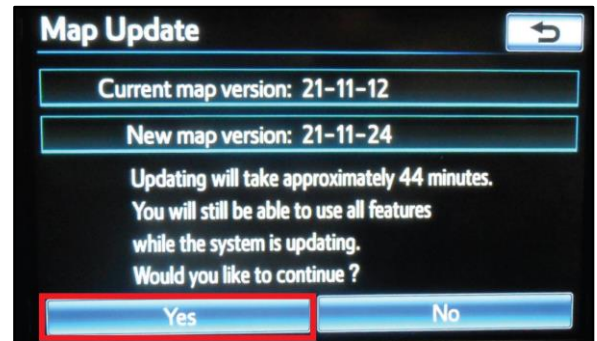
16. Select Update Map on the navigation screen.

**Figure 10.**



17. Select Yes.

**Figure 11.**

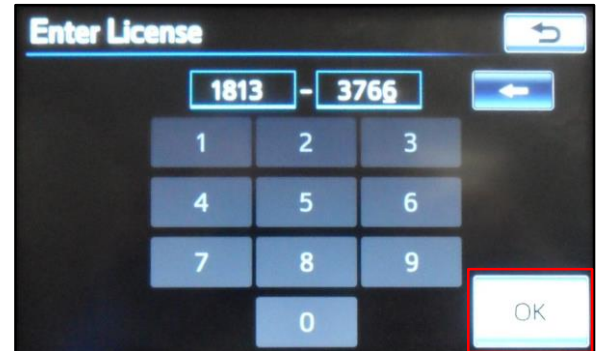


## Premium HDD Navigation Map Update Process (AVN/AW-EMV)

### On-Vehicle Navigation Update (continued)

18. Enter the license key from step 14.

Figure 12.



19. Select Ok.

20. Update the 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, continue to step 21.

**NOTE**

Navigation map data will be loaded when this process completes.

Figure 13.

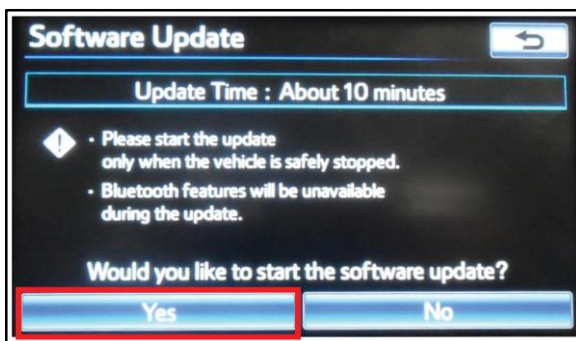
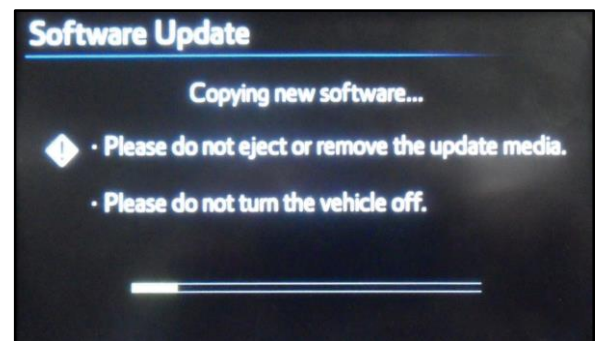


Figure 14.

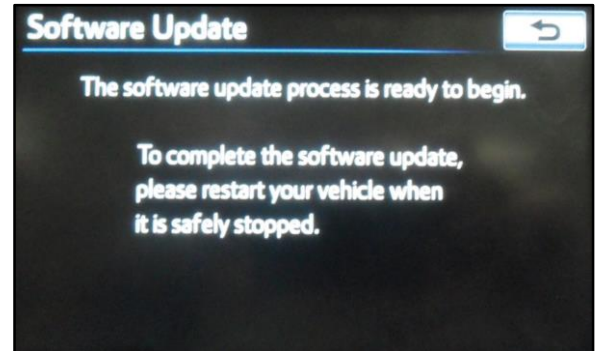


## Premium HDD Navigation Map Update Process (AVN/AW-EMV)

### On-Vehicle Navigation Update (continued)

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

Figure 15.

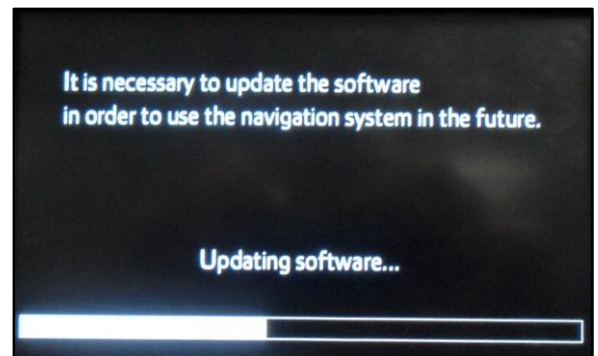


- B. Allow the update to complete.

**NOTE**

This process will take approximately 10 minutes.

Figure 16.



- 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.

Figure 17.



- E. Select Map Data on the navigation screen

## Premium HDD Navigation Map Update Process (AVN/AW-EMV)

### On-Vehicle Navigation Update (continued)

21. The navigation map update will begin automatically.

**NOTE**

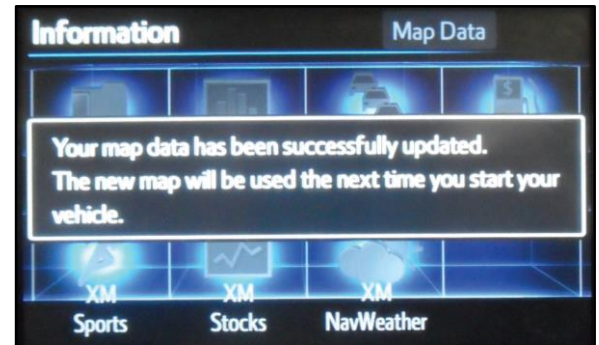
This process will take approximately 45 minutes.

Figure 18.



22. The NEW map data will be available AFTER the ignition is cycled. Cycle ignition OFF, then ON (Ready OFF/Engine OFF).

Figure 19.



23. Remove the USB drive SST from the vehicle to complete the map update.

24. The map update is complete.

Figure 20.



25. Verify navigation operation.